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UPDATE OF AIRCRAFT PROFILE DATA FOR THE INTEGRATED NOISE MODEL COMPUTER PROGRAM

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VOL. 2
APPENDIX A
AIRCRAFT TAKEOFF AND LANDING PROFILES

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16. Abstract

This report provides aircraft takeoff and landing profiles, aircraft aerodynamic performance coefficients and engine performance coefficients for the aircraft data base (Database 9) in the Integrated Noise Model (INM) computer program. Flight profiles and coefficients are provided for 92 aircraft, covering a wide range of civil transport aircraft types, and selected general aviation and military aircraft. Appendix A lists the aircraft flight profiles; Appendix B lists the aerodynamic and engine coefficients.

The aerodynamic and engine coefficients, upon which the profiles are based, are in the format specified in Society of Automotive Engineers (SAE) Aerospace Information Report (AIR) 1845. To the extent possible, the coefficients and flight profiles are based upon the reference conditions specified in SAE AIR 1845.

17. Key Words Integrated Noise Model (INM) Aircraft flight profiles Aircraft aerodynamic coefficients Aircraft engine coefficients SAE AIR 1845	18. Distribution Statement Document is available to the public through the National Technical Information Service Springfield, VA 22161

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METRIC / ENGLISH CONVERSION FACTORS

ENGLISH TO METRIC

LENGTH (APPROXIMATE)

1 inch (in) = 2.5 centimeters (cm)
1 foot (ft) = 30 centimeters (cm)
1 yard (yd) = 0.9 meter (m)
1 mile (mi) = 1.6 kilometers (km)

AREA (APPROXIMATE)

1 square inch (sq in, in^2) = 6.5 square centimeters (cm^2)
1 square foot (sq ft, ft^2) = 0.09 square meter (m^2)
1 square yard (sq yd, yd^2) = 0.8 square meter (m^2)
1 square mile (sq mi, mi^2) = 2.6 square kilometers (km^2)
1 acre = 0.4 hectares (he) = 4,000 square meters (m^2)

MASS - WEIGHT (APPROXIMATE)

1 ounce (oz) = 28 grams (gr)
1 pound (lb) = .45 kilogram (kg)
1 short ton = 2,000 pounds (lb) = 0.9 tonne (t)

VOLUME (APPROXIMATE)

1 teaspoon (tsp) = 5 milliliters (ml)
1 tablespoon (tbsp) = 15 milliliters (ml)
1 fluid ounce (fl oz) = 30 milliliters (ml)
1 cup (c) = 0.24 liter (l)
1 pint (pt) = 0.47 liter (l)
1 quart (qt) = 0.96 liter (l)
1 gallon (gal) = 3.8 liters (l)
1 cubic foot (cu ft, ft^3) = 0.03 cubic meter (m^3)
1 cubic yard (cu yd, yd^3) = 0.76 cubic meter (m^3)

TEMPERATURE (EXACT)

[(x - 32) (5/9)] °F = y °C

METRIC TO ENGLISH

LENGTH (APPROXIMATE)

1 millimeter (mm) = 0.04 inch (in)
1 centimeter (cm) = 0.4 inch (in)
1 meter (m) = 3.3 feet (ft)
1 meter (m) = 1.1 yards (yd)
1 kilometer (km) = 0.6 mile (mi)

AREA (APPROXIMATE)

1 square centimeter (cm^2) = 0.16 square inch (sq in, in^2)
1 square meter (m^2) = 1.2 square yards (sq yd, yd^2)
1 square kilometer (km^2) = 0.4 square mile (sq mi, mi^2)
1 hectare (he) = 10,000 square meters (m^2) = 2.5 acres

MASS - WEIGHT (APPROXIMATE)

1 gram (gr) = 0.036 ounce (oz)
1 kilogram (kg) = 2.2 pounds (lb)
1 tonne (t) = 1,000 kilograms (kg) = 1.1 short tons

VOLUME (APPROXIMATE)

1 milliliter (ml) = 0.03 fluid ounce (fl oz)
1 liter (l) = 2.1 pints (pt)
1 liter (l) = 1.06 quarts (qt)
1 liter (l) = 0.26 gallon (gal)
1 cubic meter (m^3) = 36 cubic feet (cu ft, ft^3)
1 cubic meter (m^3) = 1.3 cubic yards (cu yd, yd^3)

TEMPERATURE (EXACT)

[(9/5) y + 32] °C = x °F

QUICK INCH-CENTIMETER LENGTH CONVERSION

INCHES	0		1		2		3		4		5		6		7		8		9		10					
CENTIMETERS	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25

25.40

QUICK FAHRENHEIT-CELCIUS TEMPERATURE CONVERSION

°F	-40°	-22°	-4°	14°	32°	50°	68°	86°	104°	122°	140°	158°	176°	194°	212°
°C	-40°	-30°	-20°	-10°	0°	10°	20°	30°	40°	50°	60°	70°	80°	90°	100°

For more exact and/or other conversion factors, see NBS Miscellaneous Publication 286, Units of Weights and Measures. Price $2.50, SD Catalog No. C13 10 286.

APPENDIX A

AIRCRAFT TAKEOFF AND LANDING PROFILES

This appendix provides a printout of the takeoff and landing profiles for each aircraft listed in Tables 1, 2 and 3 of this report. The aircraft profiles are tabulated in order of ascending INM aircraft number.

To aid in locating information for a particular aircraft, Table A-1 lists the aircraft assigned to each INM number, and the Appendix A and Appendix B pages where details for that aircraft can be found.

TABLE A-1

LIST OF AIRCRAFT BY INM AIRCRAFT NUMBER

A/C No.	Manufacturer	Aircraft	Engine	FAR Part 36 Classif	Appendix A Flight Profiles Page Ref	Appendix B Performance Coefficients Page Ref
1	Boeing	B747-100	JT9D BD	1	*	*
2	Boeing	B747-200	JT9D-7	2	A4-A18	B2
3	Boeing	B747-100	JT9D-7QN	2	A19-A31	B2
4	Boeing	B747SP	JT9D-7	2	A32-A46	B3
5	Boeing	B747-200	JT9D-7Q	3	A47-A61	B3
6	McDonn Douglas	DC8-20	JT4A	1	*	*
7	Boeing	B707-120	JT3C	1	*	*
8	Boeing	B720	JT3C	1	*	*
9	Boeing	B707-320B	JT3D-7	1	A62-A76	B4
10	Boeing	B707-120B	JT3D-3	1	*	*
11	Boeing	B720B	JT3D-3	1	A77-A87	B4
12	McDonn Douglas	DC8-50	JT3D-3B	1	A88-A100	B5
13	McDonn Douglas	DC8-60	JT3D-7	1	A101-A115	B5
14	McDonn Douglas	DC8-70	CFM56-2C-5	3	A116-A130	B6
15	Br Aerospace	BAE146-200	ALF502R-5	3	A131-A137	B6
16	Boeing	B707-320B	JT3D-7QN	2	A138-A152	B7
17	McDonn Douglas	DC8-60	JT8D-7QN	1	A153-A167	B7
18	Br/French	CONCORDE	OLY593	1	A168-A180	B8
19	McDonn Douglas	DC10-10	CF6-6D	3	A181-A193	B8
20	McDonn Douglas	DC10-30	CF6-50C2	3	A194-A208	B9
21	McDonn Douglas	DC10-40	JT9D-20	3	A209-A223	B9
22	Lockheed	L1011	RB211-22B	3	A224-A236	B10
23	Lockheed	L1011-500	RB211-224B	3	A237-A251	B10
24	Boeing	B727-200	JT8D-7	1	*	*
25	Boeing	B727-100	JT8D-7	1	A252-A260	B11
26	Boeing	B727-200	JT8D-15	2	A261-A271	B11
27	Boeing	B727-200	JT8D-9	2	A272-A280	B12
28	Boeing	B727-100	JT8D-7QN	2	A281-A289	B12
29	Boeing	B727-200	JT8D-15QN	2	A290-A300	B13
30	Boeing	B727-200	JT8D-17	2	A301-A309	B13
31	Airbus	A300B4-200	CF6-50C2	3	A310-A320	B14
32	Boeing	B767-200	CF6-80A	3	A321-A335	B14
33	Boeing	B767-200	JT9D-7R4D	3	A336-A350	B15
34	Airbus	A310-300	CF6-80C2A2	3	A351-A363	B15
35	Boeing	B737-300	CFM56-3B-1	3	A364-A372	B16
36	Boeing	B737-300	CFM56-3B-2	3	A373-A381	B16
37	Br Aerospace	BAC111	SPEY MK511-1	2	A382-A388	B17
38	Fokker	F28-2000	RB183MK555	2	A389-A393	B17
39	Fokker	F28-4000	RB183MK555	2	A394-A400	B18
40	McDonn Douglas	DC9-30	JT8D-9	1	A401-A407	B18
41	McDonn Douglas	DC9-10	JT8D-7	1	A408-A414	B19
42	Boeing	B737	JT8D-9	1	A415-A423	B19
43	McDonn Douglas	DC9-30	JT8D-9QN	2	A424-A430	B20
44	McDonn Douglas	DC9-10	JT8D-7QN	2	A431-A437	B20
45	Boeing	B737	JT8D-9QN	2	A438-A446	B21
46	McDonn Douglas	DC9-50	JT8D-17	2	A447-A453	B21
47	Boeing	B737-200	JT8D-17	2	A454-A462	B22
48	McDonn Douglas	MD-81	JT8D-209	3	A463-A469	B22
49	McDonn Douglas	MD-82	JT8D-217A	3	A470-A478	B23
50	McDonn Douglas	MD-83	JT8D-219	3	A479-A487	B23

TABLE A-1

LIST OF AIRCRAFT BY INM AIRCRAFT NUMBER

A/C No.	Manufacturer	Aircraft	Engine	FAR Part 36 Classif	Appendix A Flight Profiles Page Ref	Appendix B Performance Coefficients Page Ref
51	Boeing	B757-200	RB211-535E4	3	A488-A498	B24
52	Boeing	B757-200	PW2037	3	A499-A511	B24
53	Comp. Fleet	1985 BUSINESS JET		1	A512-A514	B25
54	Gates	LEAR 36	TFE731-2	3	A515-A517	B25
55	Gates	LEAR 25	CJ610-8	1	A518-A520	B26
56	Rockwell	SABRELINER 80	CF700	2	*	*
57	Cessna	CIT 2	JT15D-4	3	A521-A523	B26
58	Canadair	CL600	ALF502L	3	A524-A526	B27
59	Gulfstream	GIIB	SPEY MK511-8	2	A527-A529	B27
60	Mitsubishi	MU300-10	JT15D-4	3	A530-A532	B28
61	Canadair	CL601	CF34-3A	3	A533-A535	B28
62	Israel A/C	ASTRA 1125	TFE731-3A	3	A536-A538	B29
63	Lockheed	L188C	ALL 501-D13	1	A539-A545	B29
64	DeHavilland	DASH 8-100	PW121	3	A546-A548	B30
65	DeHavilland	DASH 7	PT6A-50	3	A549-A551	B30
66	Convair	CV580	ALL 501-D15	1	A552-A558	B31
67	Br Aerospace	HS748	DART MK532-2	3	A559-A561	B31
68	Shorts	SD330	PT6A-45AR	3	A562-A564	B32
69	DeHavilland	DASH 6	PT6A-27	1	A565-A567	B32
70	McDonn Douglas	DC6	R2800-CB17	1	A568-A574	B33
71	McDonn Douglas	DC3	R1820-86	1	A575-A581	B33
72	Saab	SF340B	CT7-9B	3	A582-A586	B34
73	Cessna	CONQUEST II	TPE331-8	1	A587-A589	B34
74	Small A/C	1985 1-ENG VP PROP		1	A590-A592	B35
75	Small A/C	1985 1-ENG FP PROP		1	A593-A595	B35
76	Beech	BARON 58P	TS10-520-L	1	A596-A598	B36
77	Comp. Fleet	1985 1-ENG COMP		1	A599-A601	B36
78	Boeing	KC135A	J57-P-59W	1	A602-A604	B37
79	McDonn Douglas	F-4C	J79-GE-15	1	A605-A609	B37
80	LTV	A-7D,E	TF-41-A-1	1	A610-A614	B38
81	Lockheed	C-130H	T56-A-15	3	A615-A619	B38
82	Lockheed	C-130E	T56-A-7	1	A620-A624	B39
83	Boeing	B747-200	JT9D-7A	3	A625-A639	B39
84	Boeing	B747-400	PW4056	3	A640-A654	B40
85	Boeing	B737-400	CFM56-3C-1	3	A655-A663	B40
86	Boeing	B737-500	CFM56-3B-1	3	A664-A672	B41
87	Boeing	B767-300	PW4060	3	A673-A687	B41
88	Br Aerospace	BAE146-300	ALF502R-5	3	A688-A694	B42
89	Fokker	F100	TAY 620-15	3	A695-A701	B42
90	Fokker	F100	TAY 650-15	3	A702-A708	B43
91	Boeing	KC135R	CFM56-2B-1	1	A709-A711	B43
92	Boeing	KC135B	JT3D-7	1	A712-A714	B44
93	Valsan	B727-200	JT8D-17,217	3	A715-A725	B44
94	Valsan	B727-100	JT8D-7,219	3	A726-A734	B45
95	Cessna	CIT 3	TFE731-3-100S	3	A735-A737	B45
96	Gulfstream	GIV	TAY 611	3	A738-A740	B46
97	Airbus	A320-211	CFM56-5A-1	3	A741-A749	B46
98	Dassault	FALCON 20	CF700-2D-2	2	A750-A752	B47
99	DeHavilland	DASH 8-300	PW123	3	A753-A755	B47

* No data required under this contract.

TAKEOFF SEGMENTS DATA (HEADWIND = 8 KT) 05-06-1991 14:29:25

AIRCRAFT ID NUMBER	AIRCRAFT AND ENGINE NAMES	AIRCRAFT CATEGORY
002	B747-200/JT9D-7	JCOM

AIRCRAFT WEIGHT	STAGE NUMBER	NUMBER OF ENGINES
525000	1	4

SEG. NO.	TYPE	FLAP	START ALT (FT)	END ALT (FT)	CALIBRATED START SPEED (KCAS)	CALIBRATED END SPEED (KCAS)	SEG. LNGTH (FT)	THRST (LB)	R/C (FPM)	GRAD
1	TKOFF	10	0	0	16	153	4624	35022	0	0.00000
2	CLIMB	10	0	1000	153	153	5662	35194	2763	0.17661
3	ACCEL	10	1000	1976	153	183	8768	34766	1842	0.10634
4	ACCEL	5	1976	2445	183	223	9460	28578	1000	0.04712
5	CLIMB	ZERO	2445	3000	223	223	4289	27839	3044	0.12946
6	ACCEL	ZERO	3000	3288	223	250	6872	27355	1000	0.03988
7	CLIMB	ZERO	3288	5500	250	250	19518	27057	3063	0.11332
8	CLIMB	ZERO	5500	7500	250	250	19448	27478	2870	0.10284
9	CLIMB	ZERO	7500	10000	250	250	27258	27839	2650	0.09172

SEG. NO.	TYPE	FLAP	THRUST TYPE	VALUE
1	TKOFF	10	MAX TKOFF	
2	CLIMB	10	MAX TKOFF	
3	ACCEL	10	MAX TKOFF	
4	ACCEL	5	MAX CLIMB	
5	CLIMB	ZERO	MAX CLIMB	
6	ACCEL	ZERO	MAX CLIMB	
7	CLIMB	ZERO	MAX CLIMB	
8	CLIMB	ZERO	MAX CLIMB	
9	CLIMB	ZERO	MAX CLIMB	

TAKEOFF PROFILE DATA (HEADWIND = 8 KT) 05-06-1991 14:29:34

AIRCRAFT ID NUMBER	AIRCRAFT AND ENGINE NAMES	AIRCRAFT CATEGORY
002	B747-200/JT9D-7	JCOM

	DISTANCE FROM BRAKE RELEASE (FT)	HEIGHT (FT)	SPEED (KTAS)	THRUST (LB)
POINT 1	0	0	16	41971
POINT 2	4624	0	153	35022
POINT 3	10286	1000	156	35361
POINT 4	19054	1976	188	34171
POINT 5	20054	2026	193	29387
POINT 6	28514	2445	231	27769
POINT 7	32803	3000	233	27908
POINT 8	39675	3288	262	26803
POINT 9	59192	5500	271	27288
POINT 10	78640	7500	280	27650
POINT 11	105898	10000	291	0

THRUST FOR LEVEL FLIGHT	GRADIENT AT TAKE-OFF POWER	TAKE-OFF THRUST	GRADIENT AT CLIMB POWER
12449	0.176614	35194	0.125399

CLIMB THRUST	GRADIENT AT FAR36 CUTBACK	THRUST FOR ENGINE OUT LEVEL FLIGHT	VZF (KCAS)
30813	0.040401	16599	223

NUMBER OF ENGINES	RATED THRUST LB	AIRCRAFT WEIGHT (LB)	STAGE NUMBER
4	45500	525000	1

TAKEOFF SEGMENTS DATA (HEADWIND = 8 KT) 05-06-1991 14:33:44

AIRCRAFT ID NUMBER	AIRCRAFT AND ENGINE NAMES	AIRCRAFT CATEGORY
002	B747-200/JT9D-7	JCOM

AIRCRAFT WEIGHT	STAGE NUMBER	NUMBER OF ENGINES
545000	2	4

SEG. NO.	TYPE	FLAP	START ALT (FT)	END ALT (FT)	CALIBRATED START SPEED (KCAS)	CALIBRATED END SPEED (KCAS)	SEG. LNGTH (FT)	THRST (LB)	R/C (FPM)	GRAD
1	TKOFF	10	0	0	16	156	5004	34876	0	0.00000
2	CLIMB	10	0	1000	156	156	6049	35048	2635	0.16531
3	ACCEL	10	1000	2007	156	186	9651	34622	1757	0.09959
4	ACCEL	5	2007	2529	186	226	10711	28462	1000	0.04639
5	CLIMB	ZERO	2529	3000	226	226	3872	27719	2898	0.12155
6	ACCEL	ZERO	3000	3279	226	250	6692	27289	1000	0.03964
7	CLIMB	ZERO	3279	5500	250	250	20735	27056	2895	0.10711
8	CLIMB	ZERO	5500	7500	250	250	20615	27478	2708	0.09701
9	CLIMB	ZERO	7500	10000	250	250	28963	27839	2494	0.08632

SEG. NO.	TYPE	FLAP	THRUST TYPE	VALUE
1	TKOFF	10	MAX TKOFF	
2	CLIMB	10	MAX TKOFF	
3	ACCEL	10	MAX TKOFF	
4	ACCEL	5	MAX CLIMB	
5	CLIMB	ZERO	MAX CLIMB	
6	ACCEL	ZERO	MAX CLIMB	
7	CLIMB	ZERO	MAX CLIMB	
8	CLIMB	ZERO	MAX CLIMB	
9	CLIMB	ZERO	MAX CLIMB	

TAKEOFF PROFILE DATA (HEADWIND = 8 KT) 05-06-1991 14:33:51

AIRCRAFT ID NUMBER	AIRCRAFT AND ENGINE NAMES	AIRCRAFT CATEGORY
002	B747-200/JT9D-7	JCOM

	DISTANCE FROM BRAKE RELEASE (FT)	HEIGHT (FT)	SPEED (KTAS)	THRUST (LB)
POINT 1	0	0	16	41971
POINT 2	5004	0	156	34876
POINT 3	11053	1000	159	35214
POINT 4	20704	2007	192	34029
POINT 5	21704	2056	196	29265
POINT 6	31415	2529	235	27660
POINT 7	35288	3000	236	27777
POINT 8	41979	3279	262	26801
POINT 9	62715	5500	271	27288
POINT 10	83330	7500	280	27650
POINT 11	112293	10000	291	0

THRUST FOR LEVEL FLIGHT	GRADIENT AT TAKE-OFF POWER	TAKE-OFF THRUST	GRADIENT AT CLIMB POWER
12924	0.165309	35048	0.116408

CLIMB THRUST	GRADIENT AT FAR36 CUTBACK	THRUST FOR ENGINE OUT LEVEL FLIGHT	VZF (KCAS)
30687	0.040401	17232	226

NUMBER OF ENGINES	RATED THRUST LB	AIRCRAFT WEIGHT (LB)	STAGE NUMBER
4	45500	545000	2

TAKEOFF SEGMENTS DATA (HEADWIND = 8 KT) 05-06-1991 14:35:37

AIRCRAFT ID NUMBER	AIRCRAFT AND ENGINE NAMES	AIRCRAFT CATEGORY
002	B747-200/JT9D-7	JCOM

AIRCRAFT WEIGHT	STAGE NUMBER	NUMBER OF ENGINES
565000	3	4

SEG. NO.	TYPE	FLAP	START ALT (FT)	END ALT (FT)	CALIBRATED START SPEED (KCAS)	CALIBRATED END SPEED (KCAS)	SEG. LNGTH (FT)	THRST (LB)	R/C (FPM)	GRAD
1	TKOFF	10	0	0	16	159	5400	34732	0	0.00000
2	CLIMB	10	0	1000	159	159	6457	34904	2514	0.15488
3	ACCEL	10	1000	2040	159	189	10633	34479	1676	0.09333
4	ACCEL	5	2040	2625	189	229	12177	28348	1000	0.04568
5	CLIMB	ZERO	2625	3000	229	229	3284	27600	2761	0.11420
6	ACCEL	ZERO	3000	3266	229	250	6419	27222	1000	0.03939
7	CLIMB	ZERO	3266	5500	250	250	22040	27054	2739	0.10137
8	CLIMB	ZERO	5500	7500	250	250	21831	27478	2557	0.09161
9	CLIMB	ZERO	7500	10000	250	250	30748	27839	2349	0.08130

SEG. NO.	TYPE	FLAP	THRUST TYPE	VALUE
1	TKOFF	10	MAX TKOFF	
2	CLIMB	10	MAX TKOFF	
3	ACCEL	10	MAX TKOFF	
4	ACCEL	5	MAX CLIMB	
5	CLIMB	ZERO	MAX CLIMB	
6	ACCEL	ZERO	MAX CLIMB	
7	CLIMB	ZERO	MAX CLIMB	
8	CLIMB	ZERO	MAX CLIMB	
9	CLIMB	ZERO	MAX CLIMB	

TAKEOFF PROFILE DATA (HEADWIND = 8 KT) 05-06-1991 14:35:44

AIRCRAFT ID NUMBER	AIRCRAFT AND ENGINE NAMES	AIRCRAFT CATEGORY
002	B747-200/JT9D-7	JCOM

	DISTANCE FROM BRAKE RELEASE (FT)	HEIGHT (FT)	SPEED (KTAS)	THRUST (LB)
POINT 1	0	0	16	41971
POINT 2	5400	0	159	34732
POINT 3	11856	1000	161	35071
POINT 4	22490	2040	195	33887
POINT 5	23490	2088	198	29143
POINT 6	34667	2625	238	27553
POINT 7	37950	3000	239	27647
POINT 8	44369	3266	262	26798
POINT 9	66409	5500	271	27288
POINT 10	88240	7500	280	27650
POINT 11	118988	10000	291	0

THRUST FOR LEVEL FLIGHT	GRADIENT AT TAKE-OFF POWER	TAKE-OFF THRUST	GRADIENT AT CLIMB POWER
13398	0.154878	34904	0.108095

CLIMB THRUST	GRADIENT AT FAR36 CUTBACK	THRUST FOR ENGINE OUT LEVEL FLIGHT	VZF (KCAS)
30563	0.040401	17864	229

NUMBER OF ENGINES	RATED THRUST LB	AIRCRAFT WEIGHT (LB)	STAGE NUMBER
4	45500	565000	3

TAKEOFF SEGMENTS DATA (HEADWIND = 8 KT) 05-06-1991 14:37:45

AIRCRAFT ID NUMBER	AIRCRAFT AND ENGINE NAMES	AIRCRAFT CATEGORY
002	B747-200/JT9D-7	JCOM

AIRCRAFT WEIGHT	STAGE NUMBER	NUMBER OF ENGINES
610000	4	4

SEG. NO.	TYPE	FLAP	START ALT (FT)	END ALT (FT)	CALIBRATED START SPEED (KCAS)	CALIBRATED END SPEED (KCAS)	SEG. LNGTH (FT)	THRST (LB)	R/C (FPM)	GRAD
1	TKOFF	10	0	0	16	165	6352	34418	0	0.00000
2	CLIMB	10	0	1000	165	165	7456	34590	2262	0.13412
3	ACCEL	10	1000	2100	165	195	12947	34179	1508	0.08100
4	ACCEL	5	2100	2555	195	235	12974	28086	750	0.03329
5	CLIMB	ZERO	2555	3000	235	235	4440	27331	2487	0.10029
6	ACCEL	ZERO	3000	3197	235	255	6487	26974	750	0.02889
7	CLIMB	ZERO	3197	5500	255	255	25946	26829	2445	0.08876
8	CLIMB	ZERO	5500	7500	255	255	25096	27261	2269	0.07970
9	CLIMB	ZERO	7500	10000	255	255	35580	27621	2071	0.07026

SEG. NO.	TYPE	FLAP	THRUST TYPE	VALUE
1	TKOFF	10	MAX TKOFF	
2	CLIMB	10	MAX TKOFF	
3	ACCEL	10	MAX TKOFF	
4	ACCEL	5	MAX CLIMB	
5	CLIMB	ZERO	MAX CLIMB	
6	ACCEL	ZERO	MAX CLIMB	
7	CLIMB	ZERO	MAX CLIMB	
8	CLIMB	ZERO	MAX CLIMB	
9	CLIMB	ZERO	MAX CLIMB	

TAKEOFF PROFILE DATA (HEADWIND = 8 KT) 05-06-1991 14:37:52

AIRCRAFT ID NUMBER	AIRCRAFT AND ENGINE NAMES	AIRCRAFT CATEGORY
002	B747-200/JT9D-7	JCOM

	DISTANCE FROM BRAKE RELEASE (FT)	HEIGHT (FT)	SPEED (KTAS)	THRUST (LB)
POINT 1	0	0	16	41971
POINT 2	6352	0	165	34418
POINT 3	13808	1000	168	34756
POINT 4	26755	2100	201	33602
POINT 5	27755	2135	204	28898
POINT 6	39729	2555	244	27275
POINT 7	44169	3000	246	27386
POINT 8	50656	3197	267	26563
POINT 9	76601	5500	277	27071
POINT 10	101697	7500	285	27433
POINT 11	137277	10000	297	0

THRUST FOR LEVEL FLIGHT	GRADIENT AT TAKE-OFF POWER	TAKE-OFF THRUST	GRADIENT AT CLIMB POWER
14465	0.134116	34590	0.091495

CLIMB THRUST	GRADIENT AT FAR36 CUTBACK	THRUST FOR ENGINE OUT LEVEL FLIGHT	VZF (KCAS)
30293	0.040401	19287	235

NUMBER OF ENGINES	RATED THRUST LB	AIRCRAFT WEIGHT (LB)	STAGE NUMBER
4	45500	610000	4

TAKEOFF SEGMENTS DATA (HEADWIND = 8 KT) 05-06-1991 14:39:35

AIRCRAFT ID NUMBER	AIRCRAFT AND ENGINE NAMES	AIRCRAFT CATEGORY
002	B747-200/JT9D-7	JCOM

AIRCRAFT WEIGHT	STAGE NUMBER	NUMBER OF ENGINES
665000	5	4

SEG. NO.	TYPE	FLAP	START ALT (FT)	END ALT (FT)	CALIBRATED START SPEED (KCAS)	CALIBRATED END SPEED (KCAS)	SEG. LNGTH (FT)	THRST (LB)	R/C (FPM)	GRAD
1	TKOFF	10	0	0	16	173	7630	34049	0	0.00000
2	CLIMB	10	0	1000	173	173	8863	34221	1987	0.11283
3	ACCEL	10	1000	2227	173	203	17144	33812	1325	0.06814
4	ACCEL	5	2227	2844	203	243	18326	27791	750	0.03199
5	CLIMB	ZERO	2844	3000	243	243	1838	27018	2184	0.08501
6	ACCEL	ZERO	3000	3248	243	263	8420	26633	750	0.02796
7	CLIMB	ZERO	3248	5500	263	263	30013	26487	2133	0.07504
8	CLIMB	ZERO	5500	7500	263	263	29857	26913	1967	0.06699
9	CLIMB	ZERO	7500	10000	263	263	42745	27273	1778	0.05849

SEG. NO.	TYPE	FLAP	THRUST TYPE	VALUE
1	TKOFF	10	MAX TKOFF	
2	CLIMB	10	MAX TKOFF	
3	ACCEL	10	MAX TKOFF	
4	ACCEL	5	MAX CLIMB	
5	CLIMB	ZERO	MAX CLIMB	
6	ACCEL	ZERO	MAX CLIMB	
7	CLIMB	ZERO	MAX CLIMB	
8	CLIMB	ZERO	MAX CLIMB	
9	CLIMB	ZERO	MAX CLIMB	

TAKEOFF PROFILE DATA (HEADWIND = 8 KT) 05-06-1991 14:39:42

AIRCRAFT ID NUMBER	AIRCRAFT AND ENGINE NAMES	AIRCRAFT CATEGORY
002	B747-200/JT9D-7	JCOM

	DISTANCE FROM BRAKE RELEASE (FT)	HEIGHT (FT)	SPEED (KTAS)	THRUST (LB)
POINT 1	0	0	16	41971
POINT 2	7630	0	173	34049
POINT 3	16493	1000	175	34387
POINT 4	33638	2227	210	33236
POINT 5	34638	2261	212	28583
POINT 6	51964	2844	253	26999
POINT 7	53802	3000	254	27038
POINT 8	62221	3248	276	26228
POINT 9	92234	5500	285	26723
POINT 10	122091	7500	294	27084
POINT 11	164837	10000	306	0

THRUST FOR LEVEL FLIGHT	GRADIENT AT TAKE-OFF POWER	TAKE-OFF THRUST	GRADIENT AT CLIMB POWER
15769	0.112828	34221	0.074409

CLIMB THRUST	GRADIENT AT FAR36 CUTBACK	THRUST FOR ENGINE OUT LEVEL FLIGHT	VZF (KCAS)
29975	0.040401	21026	243

NUMBER OF ENGINES	RATED THRUST LB	AIRCRAFT WEIGHT (LB)	STAGE NUMBER
4	45500	665000	5

TAKEOFF SEGMENTS DATA (HEADWIND = 8 KT) 05-06-1991 14:41:19

AIRCRAFT ID NUMBER	AIRCRAFT AND ENGINE NAMES	AIRCRAFT CATEGORY
002	B747-200/JT9D-7	JCOM

AIRCRAFT WEIGHT	STAGE NUMBER	NUMBER OF ENGINES
725000	6	4

SEG. NO.	TYPE	FLAP	START ALT (FT)	END ALT (FT)	CALIBRATED START SPEED (KCAS)	CALIBRATED END SPEED (KCAS)	SEG. LNGTH (FT)	THRST (LB)	R/C (FPM)	GRAD
1	TKOFF	10	0	0	16	180	9173	33663	0	0.00000
2	CLIMB	10	0	1000	180	180	10693	33835	1719	0.09352
3	ACCEL	10	1000	2322	180	210	22214	33456	1146	0.05665
4	ACCEL	5	2322	2755	210	250	19865	27488	500	0.02068
5	CLIMB	ZERO	2755	3000	250	250	3401	26703	1906	0.07213
6	ACCEL	ZERO	3000	3173	250	270	9062	26319	500	0.01815
7	CLIMB	ZERO	3173	5500	270	270	36903	26174	1839	0.06306
8	CLIMB	ZERO	5500	7500	270	270	35932	26608	1678	0.05566
9	CLIMB	ZERO	7500	10000	270	270	52103	26969	1497	0.04798

SEG. NO.	TYPE	FLAP	THRUST TYPE	VALUE
1	TKOFF	10	MAX TKOFF	
2	CLIMB	10	MAX TKOFF	
3	ACCEL	10	MAX TKOFF	
4	ACCEL	5	MAX CLIMB	
5	CLIMB	ZERO	MAX CLIMB	
6	ACCEL	ZERO	MAX CLIMB	
7	CLIMB	ZERO	MAX CLIMB	
8	CLIMB	ZERO	MAX CLIMB	
9	CLIMB	ZERO	MAX CLIMB	

TAKEOFF PROFILE DATA (HEADWIND = 8 KT) 05-06-1991 14:41:26

AIRCRAFT ID NUMBER	AIRCRAFT AND ENGINE NAMES	AIRCRAFT CATEGORY
002	B747-200/JT9D-7	JCOM

	DISTANCE FROM BRAKE RELEASE (FT)	HEIGHT (FT)	SPEED (KTAS)	THRUST (LB)
POINT 1	0	0	16	41971
POINT 2	9173	0	180	33663
POINT 3	19867	1000	183	34002
POINT 4	42080	2322	217	32910
POINT 5	43080	2344	219	28303
POINT 6	61945	2755	260	26672
POINT 7	65346	3000	261	26733
POINT 8	74408	3173	283	25905
POINT 9	111312	5500	293	26418
POINT 10	147244	7500	302	26780
POINT 11	199347	10000	314	0

THRUST FOR LEVEL FLIGHT	GRADIENT AT TAKE-OFF POWER	TAKE-OFF THRUST	GRADIENT AT CLIMB POWER
17192	0.093516	33835	0.058859

CLIMB THRUST	GRADIENT AT FAR36 CUTBACK	THRUST FOR ENGINE OUT LEVEL FLIGHT	VZF (KCAS)
29644	0.040401	22923	250

NUMBER OF ENGINES	RATED THRUST LB	AIRCRAFT WEIGHT (LB)	STAGE NUMBER
4	45500	725000	6

TAKEOFF SEGMENTS DATA (HEADWIND = 8 KT) 05-06-1991 14:43:11

AIRCRAFT ID NUMBER	AIRCRAFT AND ENGINE NAMES	AIRCRAFT CATEGORY
002	B747-200/JT9D-7	JCOM

AIRCRAFT WEIGHT	STAGE NUMBER	NUMBER OF ENGINES
775000	7	4

SEG. NO.	TYPE	FLAP	START ALT (FT)	END ALT (FT)	CALIBRATED START SPEED (KCAS)	CALIBRATED END SPEED (KCAS)	SEG. LNGTH (FT)	THRST (LB)	R/C (FPM)	GRAD
1	TKOFF	10	0	0	16	186	10579	33354	0	0.00000
2	CLIMB	10	0	1000	186	186	12526	33526	1518	0.07983
3	ACCEL	10	1000	2450	186	216	28474	33169	1012	0.04845
4	ACCEL	5	2450	3025	216	256	27180	27276	500	0.02009
5	ACCEL	ZERO	3025	3235	256	276	11275	26068	500	0.01772
6	CLIMB	ZERO	3235	5500	276	276	41728	25920	1619	0.05427
7	CLIMB	ZERO	5500	7500	276	276	42064	26347	1465	0.04755
8	CLIMB	ZERO	7500	10000	276	276	61798	26707	1290	0.04045

SEG. NO.	TYPE	FLAP	THRUST TYPE	VALUE
1	TKOFF	10	MAX TKOFF	
2	CLIMB	10	MAX TKOFF	
3	ACCEL	10	MAX TKOFF	
4	ACCEL	5	MAX CLIMB	
5	ACCEL	ZERO	MAX CLIMB	
6	CLIMB	ZERO	MAX CLIMB	
7	CLIMB	ZERO	MAX CLIMB	
8	CLIMB	ZERO	MAX CLIMB	

TAKEOFF PROFILE DATA (HEADWIND = 8 KT) 05-06-1991 14:43:20

AIRCRAFT ID NUMBER	AIRCRAFT AND ENGINE NAMES	AIRCRAFT CATEGORY
002	B747-200/JT9D-7	JCOM

	DISTANCE FROM BRAKE RELEASE (FT)	HEIGHT (FT)	SPEED (KTAS)	THRUST (LB)
POINT 1	0	0	16	41971
POINT 2	10579	0	186	33354
POINT 3	23106	1000	189	33693
POINT 4	51579	2450	224	32645
POINT 5	52579	2472	226	28075
POINT 6	78760	3025	268	26478
POINT 7	90034	3235	290	25659
POINT 8	131763	5500	300	26157
POINT 9	173827	7500	309	26519
POINT 10	235625	10000	321	0

THRUST FOR LEVEL FLIGHT	GRADIENT AT TAKE-OFF POWER	TAKE-OFF THRUST	GRADIENT AT CLIMB POWER
18378	0.079833	33526	0.047816

CLIMB THRUST	GRADIENT AT FAR36 CUTBACK	THRUST FOR ENGINE OUT LEVEL FLIGHT	VZF (KCAS)
29378	0.040401	24504	256

NUMBER OF ENGINES	RATED THRUST LB	AIRCRAFT WEIGHT (LB)	STAGE NUMBER
4	45500	775000	7

APPROACH PROFILE DATA (HEADWIND = 8 KT) 02-15-1992 12:26:06

AIRCRAFT ID NUMBER	AIRCRAFT AND ENGINE NAMES	AIRCRAFT CATEGORY
002	B747-200/JT9D-7	JCOM

	DISTANCE FROM RW THRESHOLD (FT)	HEIGHT (FT)	SPEED (KTAS)	THRUST (LB)	FLAPS
POINT 1	113533	6000	273	969	ZERO
POINT 2	56289	3000	167	5711	10
POINT 3	27668	1500	158	7859	D 20
POINT 4	18127	1000	146	12072	D 30
POINT 5	-954	0	144	11643	D 30
POINT 6	-1417	0	137	27300	
POINT 7	-5580	0	30	4550	

NUMBER OF ENGINES	RATED THRUST LB	AIRCRAFT WEIGHT (LB)	GLIDE SLOPE
4	45500	507600	3.00

TAKEOFF SEGMENTS DATA (HEADWIND = 8 KT) 05-06-1991 13:51:33

AIRCRAFT ID NUMBER	AIRCRAFT AND ENGINE NAMES	AIRCRAFT CATEGORY
003	B747-100/JT9D-7QN	JCOM

AIRCRAFT WEIGHT	STAGE NUMBER	NUMBER OF ENGINES
475000	1	4

SEG. NO.	TYPE	FLAP	START ALT (FT)	END ALT (FT)	CALIBRATED START SPEED (KCAS)	CALIBRATED END SPEED (KCAS)	SEG. LNGTH (FT)	THRST (LB)	R/C (FPM)	GRAD
1	TKOFF	10	0	0	16	146	3719	35382	0	0.00000
2	CLIMB	10	0	1000	146	146	4802	35554	3107	0.20824
3	ACCEL	10	1000	1921	146	176	7051	35114	2071	0.12511
4	ACCEL	5	1921	2286	176	216	7083	28855	1000	0.04889
5	CLIMB	ZERO	2286	3000	216	216	4701	28123	3457	0.15199
6	ACCEL	ZERO	3000	3294	216	250	6905	27508	1000	0.04048
7	CLIMB	ZERO	3294	5500	250	250	16808	27058	3547	0.13124
8	CLIMB	ZERO	5500	7500	250	250	16721	27478	3338	0.11961
9	CLIMB	ZERO	7500	10000	250	250	23310	27839	3099	0.10725

SEG. NO.	TYPE	FLAP	THRUST TYPE	VALUE
1	TKOFF	10	MAX TKOFF	
2	CLIMB	10	MAX TKOFF	
3	ACCEL	10	MAX TKOFF	
4	ACCEL	5	MAX CLIMB	
5	CLIMB	ZERO	MAX CLIMB	
6	ACCEL	ZERO	MAX CLIMB	
7	CLIMB	ZERO	MAX CLIMB	
8	CLIMB	ZERO	MAX CLIMB	
9	CLIMB	ZERO	MAX CLIMB	

TAKEOFF PROFILE DATA (HEADWIND = 8 KT) 05-06-1991 13:51:41

AIRCRAFT ID NUMBER	AIRCRAFT AND ENGINE NAMES	AIRCRAFT CATEGORY
003	B747-100/JT9D-7QN	JCOM

	DISTANCE FROM BRAKE RELEASE (FT)	HEIGHT (FT)	SPEED (KTAS)	THRUST (LB)
POINT 1	0	0	16	41971
POINT 2	3719	0	146	35382
POINT 3	8521	1000	148	35720
POINT 4	15573	1921	181	34508
POINT 5	16573	1973	187	29677
POINT 6	22656	2286	223	28032
POINT 7	27356	3000	226	28212
POINT 8	34262	3294	262	26804
POINT 9	51070	5500	271	27288
POINT 10	67791	7500	280	27650
POINT 11	91101	10000	291	0

THRUST FOR LEVEL FLIGHT	GRADIENT AT TAKE-OFF POWER	TAKE-OFF THRUST	GRADIENT AT CLIMB POWER
11393	0.208244	35554	0.150228

CLIMB THRUST	GRADIENT AT FAR36 CUTBACK	THRUST FOR ENGINE OUT LEVEL FLIGHT	VZF (KCAS)
31122	0.040401	15190	216

NUMBER OF ENGINES	RATED THRUST LB	AIRCRAFT WEIGHT (LB)	STAGE NUMBER
4	45500	475000	1

TAKEOFF SEGMENTS DATA (HEADWIND = 8 KT) 02-10-1992 09:48:32

AIRCRAFT ID NUMBER	AIRCRAFT AND ENGINE NAMES	AIRCRAFT CATEGORY
003	B747-100/JT9D-7QN	JCOM

AIRCRAFT WEIGHT	STAGE NUMBER	NUMBER OF ENGINES
495000	2	4

SEG. NO.	TYPE	FLAP	START ALT (FT)	END ALT (FT)	CALIBRATED START SPEED (KCAS)	CALIBRATED END SPEED (KCAS)	SEG. LNGTH (FT)	THRST (LB)	R/C (FPM)	GRAD
1	TKOFF	10	0	0	16	149	4057	35227	0	0.00000
2	CLIMB	10	0	1000	149	149	5149	35399	2958	0.19420
3	ACCEL	10	1000	1945	149	179	7735	34965	1972	0.11680
4	ACCEL	5	1945	2348	179	219	7973	28735	1000	0.04812
5	CLIMB	ZERO	2348	3000	219	219	4581	28001	3284	0.14235
6	ACCEL	ZERO	3000	3292	219	250	6894	27443	1000	0.04022
7	CLIMB	ZERO	3292	5500	250	250	17863	27057	3341	0.12363
8	CLIMB	ZERO	5500	7500	250	250	17780	27478	3139	0.11248
9	CLIMB	ZERO	7500	10000	250	250	24838	27839	2908	0.10065

SEG. NO.	TYPE	FLAP	THRUST TYPE	VALUE
1	TKOFF	10	MAX TKOFF	
2	CLIMB	10	MAX TKOFF	
3	ACCEL	10	MAX TKOFF	
4	ACCEL	5	MAX CLIMB	
5	CLIMB	ZERO	MAX CLIMB	
6	ACCEL	ZERO	MAX CLIMB	
7	CLIMB	ZERO	MAX CLIMB	
8	CLIMB	ZERO	MAX CLIMB	
9	CLIMB	ZERO	MAX CLIMB	

TAKEOFF PROFILE DATA (HEADWIND = 8 KT) 02-10-1992 09:48:36

AIRCRAFT ID NUMBER	AIRCRAFT AND ENGINE NAMES	AIRCRAFT CATEGORY
003	B747-100/JT9D-7QN	JCOM

	DISTANCE FROM BRAKE RELEASE (FT)	HEIGHT (FT)	SPEED (KTAS)	THRUST (LB)
POINT 1	0	0	16	41971
POINT 2	4057	0	149	35227
POINT 3	9206	1000	152	35566
POINT 4	16941	1945	184	34364
POINT 5	17941	1995	190	29553
POINT 6	24914	2348	227	27918
POINT 7	29495	3000	229	28082
POINT 8	36389	3292	262	26804
POINT 9	54252	5500	271	27288
POINT 10	72032	7500	280	27650
POINT 11	96870	10000	291	0

THRUST FOR LEVEL FLIGHT	GRADIENT AT TAKE-OFF POWER	TAKE-OFF THRUST	GRADIENT AT CLIMB POWER
11872	0.194197	35399	0.139135

CLIMB THRUST	GRADIENT AT FAR36 CUTBACK	THRUST FOR ENGINE OUT LEVEL FLIGHT	VZF (KCAS)
30989	0.040401	15830	219

NUMBER OF ENGINES	RATED THRUST LB	AIRCRAFT WEIGHT (LB)	STAGE NUMBER
4	45500	495000	2

TAKEOFF SEGMENTS DATA (HEADWIND = 8 KT) 05-06-1991 13:57:58

AIRCRAFT ID NUMBER	AIRCRAFT AND ENGINE NAMES	AIRCRAFT CATEGORY
003	B747-100/JT9D-7QN	JCOM

AIRCRAFT WEIGHT	STAGE NUMBER	NUMBER OF ENGINES
520000	3	4

SEG. NO.	TYPE	FLAP	START ALT (FT)	END ALT (FT)	CALIBRATED START SPEED (KCAS)	CALIBRATED END SPEED (KCAS)	SEG. LNGTH (FT)	THRST (LB)	R/C (FPM)	GRAD
1	TKOFF	10	0	0	16	153	4501	35039	0	0.00000
2	CLIMB	10	0	1000	153	153	5608	35211	2784	0.17833
3	ACCEL	10	1000	1985	153	183	8776	34776	1856	0.10726
4	ACCEL	5	1985	2446	183	223	9294	28579	1000	0.04712
5	CLIMB	ZERO	2446	3000	223	223	4223	27839	3086	0.13126
6	ACCEL	ZERO	3000	3282	223	250	6730	27355	1000	0.03989
7	CLIMB	ZERO	3282	5500	250	250	19289	27056	3107	0.11497
8	CLIMB	ZERO	5500	7500	250	250	19163	27478	2913	0.10437
9	CLIMB	ZERO	7500	10000	250	250	26844	27839	2691	0.09313

SEG. NO.	TYPE	FLAP	THRUST TYPE	VALUE
1	TKOFF	10	MAX TKOFF	
2	CLIMB	10	MAX TKOFF	
3	ACCEL	10	MAX TKOFF	
4	ACCEL	5	MAX CLIMB	
5	CLIMB	ZERO	MAX CLIMB	
6	ACCEL	ZERO	MAX CLIMB	
7	CLIMB	ZERO	MAX CLIMB	
8	CLIMB	ZERO	MAX CLIMB	
9	CLIMB	ZERO	MAX CLIMB	

TAKEOFF PROFILE DATA (HEADWIND = 8 KT) 05-06-1991 13:58:07

AIRCRAFT ID NUMBER	AIRCRAFT AND ENGINE NAMES	AIRCRAFT CATEGORY
003	B747-100/JT9D-7QN	JCOM

	DISTANCE FROM BRAKE RELEASE (FT)	HEIGHT (FT)	SPEED (KTAS)	THRUST (LB)
POINT 1	0	0	16	41971
POINT 2	4501	0	153	35039
POINT 3	10109	1000	155	35378
POINT 4	18885	1985	188	34174
POINT 5	19885	2035	193	29390
POINT 6	28179	2446	231	27769
POINT 7	32402	3000	233	27908
POINT 8	39132	3282	262	26801
POINT 9	58421	5500	271	27288
POINT 10	77584	7500	280	27650
POINT 11	104428	10000	291	0

THRUST FOR LEVEL FLIGHT	GRADIENT AT TAKE-OFF POWER	TAKE-OFF THRUST	GRADIENT AT CLIMB POWER
12472	0.178325	35211	0.126558

CLIMB THRUST	GRADIENT AT FAR36 CUTBACK	THRUST FOR ENGINE OUT LEVEL FLIGHT	VZF (KCAS)
30827	0.040401	16629	223

NUMBER OF ENGINES	RATED THRUST LB	AIRCRAFT WEIGHT (LB)	STAGE NUMBER
4	45500	520000	3

TAKEOFF SEGMENTS DATA (HEADWIND = 8 KT) 05-06-1991 13:59:48

AIRCRAFT ID NUMBER	AIRCRAFT AND ENGINE NAMES	AIRCRAFT CATEGORY
003	B747-100/JT9D-7QN	JCOM

AIRCRAFT WEIGHT	STAGE NUMBER	NUMBER OF ENGINES
550000	4	4

SEG. NO.	TYPE	FLAP	START ALT (FT)	END ALT (FT)	CALIBRATED START SPEED (KCAS)	CALIBRATED END SPEED (KCAS)	SEG. LNGTH (FT)	THRST (LB)	R/C (FPM)	GRAD
1	TKOFF	10	0	0	16	157	5067	34819	0	0.00000
2	CLIMB	10	0	1000	157	157	6197	34991	2591	0.16137
3	ACCEL	10	1000	2013	157	187	9945	34569	1727	0.09726
4	ACCEL	5	2013	2555	187	227	11159	28423	1000	0.04616
5	CLIMB	ZERO	2555	3000	227	227	3721	27679	2865	0.11959
6	ACCEL	ZERO	3000	3273	227	250	6565	27266	1000	0.03955
7	CLIMB	ZERO	3273	5500	250	250	21079	27055	2855	0.10564
8	CLIMB	ZERO	5500	7500	250	250	20915	27478	2669	0.09563
9	CLIMB	ZERO	7500	10000	250	250	29402	27839	2457	0.08503

SEG. NO.	TYPE	FLAP	THRUST TYPE	VALUE
1	TKOFF	10	MAX TKOFF	
2	CLIMB	10	MAX TKOFF	
3	ACCEL	10	MAX TKOFF	
4	ACCEL	5	MAX CLIMB	
5	CLIMB	ZERO	MAX CLIMB	
6	ACCEL	ZERO	MAX CLIMB	
7	CLIMB	ZERO	MAX CLIMB	
8	CLIMB	ZERO	MAX CLIMB	
9	CLIMB	ZERO	MAX CLIMB	

TAKEOFF PROFILE DATA (HEADWIND = 8 KT) 05-06-1991 13:59:56

AIRCRAFT ID NUMBER	AIRCRAFT AND ENGINE NAMES	AIRCRAFT CATEGORY
003	B747-100/JT9D-7QN	JCOM

	DISTANCE FROM BRAKE RELEASE (FT)	HEIGHT (FT)	SPEED (KTAS)	THRUST (LB)
POINT 1	0	0	16	41971
POINT 2	5067	0	157	34819
POINT 3	11264	1000	160	35157
POINT 4	21209	2013	193	33980
POINT 5	22209	2062	196	29223
POINT 6	32369	2555	236	27623
POINT 7	36089	3000	237	27734
POINT 8	42655	3273	262	26799
POINT 9	63734	5500	271	27288
POINT 10	84649	7500	280	27650
POINT 11	114051	10000	291	0

THRUST FOR LEVEL FLIGHT	GRADIENT AT TAKE-OFF POWER	TAKE-OFF THRUST	GRADIENT AT CLIMB POWER
13191	0.161374	34991	0.113075

CLIMB THRUST	GRADIENT AT FAR36 CUTBACK	THRUST FOR ENGINE OUT LEVEL FLIGHT	VZF (KCAS)
30638	0.040401	17589	227

NUMBER OF ENGINES	RATED THRUST LB	AIRCRAFT WEIGHT (LB)	STAGE NUMBER
4	45500	550000	4

TAKEOFF SEGMENTS DATA (HEADWIND = 8 KT) 05-06-1991 14:01:55

AIRCRAFT ID NUMBER	AIRCRAFT AND ENGINE NAMES	AIRCRAFT CATEGORY
003	B747-100/JT9D-7QN	JCOM

AIRCRAFT WEIGHT	STAGE NUMBER	NUMBER OF ENGINES
625000	5	4

SEG. NO.	TYPE	FLAP	START ALT (FT)	END ALT (FT)	CALIBRATED START SPEED (KCAS)	CALIBRATED END SPEED (KCAS)	SEG. LNGTH (FT)	THRST (LB)	R/C (FPM)	GRAD
1	TKOFF	10	0	0	16	168	6644	34293	0	0.00000
2	CLIMB	10	0	1000	168	168	7893	34465	2168	0.12669
3	ACCEL	10	1000	2152	168	198	14361	34049	1445	0.07640
4	ACCEL	5	2152	2650	198	238	14446	27974	750	0.03280
5	CLIMB	ZERO	2650	3000	238	238	3660	27212	2403	0.09561
6	ACCEL	ZERO	3000	3210	238	258	6994	26846	750	0.02853
7	CLIMB	ZERO	3210	5500	258	258	27073	26700	2358	0.08459
8	CLIMB	ZERO	5500	7500	258	258	26374	27130	2184	0.07583
9	CLIMB	ZERO	7500	10000	258	258	37489	27491	1989	0.06669

SEG. NO.	TYPE	FLAP	THRUST TYPE	VALUE
1	TKOFF	10	MAX TKOFF	
2	CLIMB	10	MAX TKOFF	
3	ACCEL	10	MAX TKOFF	
4	ACCEL	5	MAX CLIMB	
5	CLIMB	ZERO	MAX CLIMB	
6	ACCEL	ZERO	MAX CLIMB	
7	CLIMB	ZERO	MAX CLIMB	
8	CLIMB	ZERO	MAX CLIMB	
9	CLIMB	ZERO	MAX CLIMB	

TAKEOFF PROFILE DATA (HEADWIND = 8 KT) 05-06-1991 14:02:02

AIRCRAFT ID NUMBER	AIRCRAFT AND ENGINE NAMES	AIRCRAFT CATEGORY
003	B747-100/JT9D-7QN	JCOM

	DISTANCE FROM BRAKE RELEASE (FT)	HEIGHT (FT)	SPEED (KTAS)	THRUST (LB)
POINT 1	0	0	16	41971
POINT 2	6644	0	168	34293
POINT 3	14537	1000	170	34632
POINT 4	28898	2152	204	33466
POINT 5	29898	2186	207	28781
POINT 6	43345	2650	247	27168
POINT 7	47004	3000	249	27255
POINT 8	53998	3210	271	26436
POINT 9	81071	5500	280	26940
POINT 10	107445	7500	289	27302
POINT 11	144934	10000	300	0

THRUST FOR LEVEL FLIGHT	GRADIENT AT TAKE-OFF POWER	TAKE-OFF THRUST	GRADIENT AT CLIMB POWER
14990	0.126689	34465	0.085343

CLIMB THRUST	GRADIENT AT FAR36 CUTBACK	THRUST FOR ENGINE OUT LEVEL FLIGHT	VZF (KCAS)
30186	0.040401	19987	238

NUMBER OF ENGINES	RATED THRUST LB	AIRCRAFT WEIGHT (LB)	STAGE NUMBER
4	45500	625000	5

TAKEOFF SEGMENTS DATA (HEADWIND = 8 KT) 05-06-1991 14:04:05

AIRCRAFT ID NUMBER	AIRCRAFT AND ENGINE NAMES	AIRCRAFT CATEGORY
003	B747-100/JT9D-7QN	JCOM

AIRCRAFT WEIGHT	STAGE NUMBER	NUMBER OF ENGINES
635000	6	4

SEG. NO.	TYPE	FLAP	START ALT (FT)	END ALT (FT)	CALIBRATED START SPEED (KCAS)	CALIBRATED END SPEED (KCAS)	SEG. LNGTH (FT)	THRST (LB)	R/C (FPM)	GRAD
1	TKOFF	10	0	0	16	169	6871	34226	0	0.00000
2	CLIMB	10	0	1000	169	169	8148	34398	2117	0.12273
3	ACCEL	10	1000	2156	169	199	14852	33990	1411	0.07412
4	ACCEL	5	2156	2681	199	239	15296	27935	750	0.03264
5	CLIMB	ZERO	2681	3000	239	239	3436	27172	2346	0.09293
6	ACCEL	ZERO	3000	3219	239	259	7310	26803	750	0.02842
7	CLIMB	ZERO	3219	5500	259	259	27774	26658	2299	0.08214
8	CLIMB	ZERO	5500	7500	259	259	27186	27087	2127	0.07357
9	CLIMB	ZERO	7500	10000	259	259	38708	27447	1933	0.06459

SEG. NO.	TYPE	FLAP	THRUST TYPE	VALUE
1	TKOFF	10	MAX TKOFF	
2	CLIMB	10	MAX TKOFF	
3	ACCEL	10	MAX TKOFF	
4	ACCEL	5	MAX CLIMB	
5	CLIMB	ZERO	MAX CLIMB	
6	ACCEL	ZERO	MAX CLIMB	
7	CLIMB	ZERO	MAX CLIMB	
8	CLIMB	ZERO	MAX CLIMB	
9	CLIMB	ZERO	MAX CLIMB	

TAKEOFF PROFILE DATA (HEADWIND = 8 KT) 05-06-1991 14:04:10

AIRCRAFT ID NUMBER	AIRCRAFT AND ENGINE NAMES	AIRCRAFT CATEGORY
003	B747-100/JT9D-7QN	JCOM

	DISTANCE FROM BRAKE RELEASE (FT)	HEIGHT (FT)	SPEED (KTAS)	THRUST (LB)
POINT 1	0	0	16	41971
POINT 2	6871	0	169	34226
POINT 3	15019	1000	172	34564
POINT 4	29871	2156	205	33416
POINT 5	30871	2190	208	28738
POINT 6	45167	2681	249	27132
POINT 7	48602	3000	250	27212
POINT 8	55912	3219	272	26395
POINT 9	83686	5500	281	26897
POINT 10	110872	7500	290	27258
POINT 11	149581	10000	301	0

THRUST FOR LEVEL FLIGHT	GRADIENT AT TAKE-OFF POWER	TAKE-OFF THRUST	GRADIENT AT CLIMB POWER
15230	0.122730	34398	0.082167

CLIMB THRUST	GRADIENT AT FAR36 CUTBACK	THRUST FOR ENGINE OUT LEVEL FLIGHT	VZF (KCAS)
30128	0.040401	20307	239

NUMBER OF ENGINES	RATED THRUST LB	AIRCRAFT WEIGHT (LB)	STAGE NUMBER
4	45500	635000	6

APPROACH PROFILE DATA (HEADWIND = 8 KT) 02-15-1992 12:25:01

AIRCRAFT ID NUMBER	AIRCRAFT AND ENGINE NAMES	AIRCRAFT CATEGORY
003	B747-100/JT9D-7QN	JCOM

	DISTANCE FROM RW THRESHOLD (FT)	HEIGHT (FT)	SPEED (KTAS)	THRUST (LB)	FLAPS
POINT 1	113533	6000	273	969	ZERO
POINT 2	56289	3000	167	5859	10
POINT 3	27668	1500	158	7859	D 20
POINT 4	18127	1000	146	12072	D 30
POINT 5	-954	0	144	11643	D 30
POINT 6	-1417	0	137	27300	
POINT 7	-5580	0	30	4550	

NUMBER OF ENGINES	RATED THRUST LB	AIRCRAFT WEIGHT (LB)	GLIDE SLOPE
4	45500	507600	3.00

TAKEOFF SEGMENTS DATA (HEADWIND = 8 KT) 05-07-1991 11:15:48

AIRCRAFT ID NUMBER	AIRCRAFT AND ENGINE NAMES	AIRCRAFT CATEGORY
004	B747SP/JT9D-7	JCOM

AIRCRAFT WEIGHT	STAGE NUMBER	NUMBER OF ENGINES
400000	1	4

SEG. NO.	TYPE	FLAP	START ALT (FT)	END ALT (FT)	CALIBRATED START SPEED (KCAS)	CALIBRATED END SPEED (KCAS)	SEG. LNGTH (FT)	THRST (LB)	R/C (FPM)	GRAD
1	TKOFF	10	0	0	16	133	2616	36043	0	0.00000
2	CLIMB	10	0	1000	133	133	3669	36215	3703	0.27256
3	ACCEL	10	1000	1838	133	163	4942	35761	2469	0.16327
4	ACCEL	5	1838	2091	163	203	4575	29384	1000	0.05248
5	CLIMB	ZERO	2091	3000	203	203	4595	28664	4224	0.19790
6	ACCEL	ZERO	3000	3295	203	250	6728	27791	1000	0.04164
7	CLIMB	ZERO	3295	5500	250	250	13210	27058	4512	0.16695
8	CLIMB	ZERO	5500	7500	250	250	13078	27478	4268	0.15293
9	CLIMB	ZERO	7500	10000	250	250	18106	27839	3990	0.13807

SEG. NO.	TYPE	FLAP	THRUST TYPE	VALUE
1	TKOFF	10	MAX TKOFF	
2	CLIMB	10	MAX TKOFF	
3	ACCEL	10	MAX TKOFF	
4	ACCEL	5	MAX CLIMB	
5	CLIMB	ZERO	MAX CLIMB	
6	ACCEL	ZERO	MAX CLIMB	
7	CLIMB	ZERO	MAX CLIMB	
8	CLIMB	ZERO	MAX CLIMB	
9	CLIMB	ZERO	MAX CLIMB	

TAKEOFF PROFILE DATA (HEADWIND = 8 KT) 05-07-1991 11:16:00

AIRCRAFT ID NUMBER	AIRCRAFT AND ENGINE NAMES	AIRCRAFT CATEGORY
004	B747SP/JT9D-7	JCOM

	DISTANCE FROM BRAKE RELEASE (FT)	HEIGHT (FT)	SPEED (KTAS)	THRUST (LB)
POINT 1	0	0	16	41971
POINT 2	2616	0	133	36043
POINT 3	6285	1000	135	36382
POINT 4	11227	1838	167	35140
POINT 5	12227	1893	177	30221
POINT 6	15802	2091	209	28547
POINT 7	20397	3000	212	28778
POINT 8	27125	3295	262	26804
POINT 9	40335	5500	271	27288
POINT 10	53413	7500	280	27650
POINT 11	71520	10000	291	0

THRUST FOR LEVEL FLIGHT	GRADIENT AT TAKE-OFF POWER	TAKE-OFF THRUST	GRADIENT AT CLIMB POWER
9918	0.272562	36215	0.199847

CLIMB THRUST	GRADIENT AT FAR36 CUTBACK	THRUST FOR ENGINE OUT LEVEL FLIGHT	VZF (KCAS)
31691	0.040401	13225	203

NUMBER OF ENGINES	RATED THRUST LB	AIRCRAFT WEIGHT (LB)	STAGE NUMBER
4	45500	400000	1

TAKEOFF SEGMENTS DATA (HEADWIND = 8 KT) 05-07-1991 11:17:23

AIRCRAFT ID NUMBER	AIRCRAFT AND ENGINE NAMES	AIRCRAFT CATEGORY
004	B747SP/JT9D-7	JCOM

AIRCRAFT WEIGHT	STAGE NUMBER	NUMBER OF ENGINES
422000	2	4

SEG. NO.	TYPE	FLAP	START ALT (FT)	END ALT (FT)	CALIBRATED START SPEED (KCAS)	CALIBRATED END SPEED (KCAS)	SEG. LNGTH (FT)	THRST (LB)	R/C (FPM)	GRAD
1	TKOFF	10	0	0	16	137	2926	35860	0	0.00000
2	CLIMB	10	0	1000	137	137	4000	36032	3489	0.24998
3	ACCEL	10	1000	1869	137	167	5582	35573	2326	0.14961
4	ACCEL	5	1869	2152	167	207	5233	29222	1000	0.05132
5	CLIMB	ZERO	2152	3000	207	207	4647	28498	3975	0.18253
6	ACCEL	ZERO	3000	3297	207	250	6833	27704	1000	0.04128
7	CLIMB	ZERO	3297	5500	250	250	14207	27058	4192	0.15509
8	CLIMB	ZERO	5500	7500	250	250	14097	27478	3960	0.14188
9	CLIMB	ZERO	7500	10000	250	250	19553	27839	3694	0.12786

SEG. NO.	TYPE	FLAP	THRUST TYPE	VALUE
1	TKOFF	10	MAX TKOFF	
2	CLIMB	10	MAX TKOFF	
3	ACCEL	10	MAX TKOFF	
4	ACCEL	5	MAX CLIMB	
5	CLIMB	ZERO	MAX CLIMB	
6	ACCEL	ZERO	MAX CLIMB	
7	CLIMB	ZERO	MAX CLIMB	
8	CLIMB	ZERO	MAX CLIMB	
9	CLIMB	ZERO	MAX CLIMB	

TAKEOFF PROFILE DATA (HEADWIND = 8 KT) 05-07-1991 11:17:29

AIRCRAFT ID NUMBER	AIRCRAFT AND ENGINE NAMES	AIRCRAFT CATEGORY
004	B747SP/JT9D-7	JCOM

	DISTANCE FROM BRAKE RELEASE (FT)	HEIGHT (FT)	SPEED (KTAS)	THRUST (LB)
POINT 1	0	0	16	41971
POINT 2	2926	0	137	35860
POINT 3	6926	1000	139	36199
POINT 4	12508	1869	172	34948
POINT 5	13508	1923	180	30055
POINT 6	17741	2152	214	28389
POINT 7	22389	3000	216	28604
POINT 8	29222	3297	262	26805
POINT 9	43429	5500	271	27288
POINT 10	57526	7500	280	27650
POINT 11	77079	10000	291	0

THRUST FOR LEVEL FLIGHT	GRADIENT AT TAKE-OFF POWER	TAKE-OFF THRUST	GRADIENT AT CLIMB POWER
10464	0.249985	36032	0.182319

CLIMB THRUST	GRADIENT AT FAR36 CUTBACK	THRUST FOR ENGINE OUT LEVEL FLIGHT	VZF (KCAS)
31533	0.040401	13952	207

NUMBER OF ENGINES	RATED THRUST LB	AIRCRAFT WEIGHT (LB)	STAGE NUMBER
4	45500	422000	2

TAKEOFF SEGMENTS DATA (HEADWIND = 8 KT) 05-07-1991 11:19:22

AIRCRAFT ID NUMBER	AIRCRAFT AND ENGINE NAMES	AIRCRAFT CATEGORY
004	B747SP/JT9D-7	JCOM

AIRCRAFT WEIGHT	STAGE NUMBER	NUMBER OF ENGINES
443000	3	4

SEG. NO.	TYPE	FLAP	START ALT (FT)	END ALT (FT)	CALIBRATED START SPEED (KCAS)	CALIBRATED END SPEED (KCAS)	SEG. LNGTH (FT)	THRST (LB)	R/C (FPM)	GRAD
1	TKOFF	10	0	0	16	140	3240	35690	0	0.00000
2	CLIMB	10	0	1000	140	140	4332	35862	3301	0.23085
3	ACCEL	10	1000	1881	140	170	6106	35414	2201	0.13844
4	ACCEL	5	1881	2195	170	210	5909	29099	1000	0.05049
5	CLIMB	ZERO	2195	3000	210	210	4743	28373	3751	0.16973
6	ACCEL	ZERO	3000	3302	210	250	6999	27640	1000	0.04101
7	CLIMB	ZERO	3302	5500	250	250	15169	27058	3917	0.14491
8	CLIMB	ZERO	5500	7500	250	250	15107	27478	3695	0.13239
9	CLIMB	ZERO	7500	10000	250	250	20993	27839	3441	0.11908

SEG. NO.	TYPE	FLAP	THRUST TYPE	VALUE
1	TKOFF	10	MAX TKOFF	
2	CLIMB	10	MAX TKOFF	
3	ACCEL	10	MAX TKOFF	
4	ACCEL	5	MAX CLIMB	
5	CLIMB	ZERO	MAX CLIMB	
6	ACCEL	ZERO	MAX CLIMB	
7	CLIMB	ZERO	MAX CLIMB	
8	CLIMB	ZERO	MAX CLIMB	
9	CLIMB	ZERO	MAX CLIMB	

TAKEOFF PROFILE DATA (HEADWIND = 8 KT) 05-07-1991 11:19:28

AIRCRAFT ID NUMBER	AIRCRAFT AND ENGINE NAMES	AIRCRAFT CATEGORY
004	B747SP/JT9D-7	JCOM

	DISTANCE FROM BRAKE RELEASE (FT)	HEIGHT (FT)	SPEED (KTAS)	THRUST (LB)
POINT 1	0	0	16	41971
POINT 2	3240	0	140	35690
POINT 3	7572	1000	142	36029
POINT 4	13678	1881	175	34800
POINT 5	14678	1934	182	29928
POINT 6	19587	2195	217	28270
POINT 7	24330	3000	220	28473
POINT 8	31329	3302	263	26806
POINT 9	46498	5500	271	27288
POINT 10	61605	7500	280	27650
POINT 11	82598	10000	291	0

THRUST FOR LEVEL FLIGHT	GRADIENT AT TAKE-OFF POWER	TAKE-OFF THRUST	GRADIENT AT CLIMB POWER
10985	0.230854	35862	0.167375

CLIMB THRUST	GRADIENT AT FAR36 CUTBACK	THRUST FOR ENGINE OUT LEVEL FLIGHT	VZF (KCAS)
31387	0.040401	14646	210

NUMBER OF ENGINES	RATED THRUST LB	AIRCRAFT WEIGHT (LB)	STAGE NUMBER
4	45500	443000	3

TAKEOFF SEGMENTS DATA (HEADWIND = 8 KT) 05-07-1991 11:20:53

AIRCRAFT ID NUMBER	AIRCRAFT AND ENGINE NAMES	AIRCRAFT CATEGORY
004	B747SP/JT9D-7	JCOM

AIRCRAFT WEIGHT	STAGE NUMBER	NUMBER OF ENGINES
475000	4	4

SEG. NO.	TYPE	FLAP	START ALT (FT)	END ALT (FT)	CALIBRATED START SPEED (KCAS)	CALIBRATED END SPEED (KCAS)	SEG. LNGTH (FT)	THRST (LB)	R/C (FPM)	GRAD
1	TKOFF	10	0	0	16	145	3752	35439	0	0.00000
2	CLIMB	10	0	1000	145	145	4869	35611	3041	0.20540
3	ACCEL	10	1000	1917	145	175	7121	35168	2027	0.12325
4	ACCEL	5	1917	2286	175	215	7151	28898	1000	0.04914
5	CLIMB	ZERO	2286	3000	215	215	4685	28167	3449	0.15231
6	ACCEL	ZERO	3000	3302	215	250	7090	27531	1000	0.04056
7	CLIMB	ZERO	3302	5500	250	250	16747	27058	3547	0.13122
8	CLIMB	ZERO	5500	7500	250	250	16721	27478	3338	0.11961
9	CLIMB	ZERO	7500	10000	250	250	23310	27839	3099	0.10725

SEG. NO.	TYPE	FLAP	THRUST TYPE	VALUE
1	TKOFF	10	MAX TKOFF	
2	CLIMB	10	MAX TKOFF	
3	ACCEL	10	MAX TKOFF	
4	ACCEL	5	MAX CLIMB	
5	CLIMB	ZERO	MAX CLIMB	
6	ACCEL	ZERO	MAX CLIMB	
7	CLIMB	ZERO	MAX CLIMB	
8	CLIMB	ZERO	MAX CLIMB	
9	CLIMB	ZERO	MAX CLIMB	

TAKEOFF PROFILE DATA (HEADWIND = 8 KT) 05-07-1991 11:20:57

AIRCRAFT ID NUMBER	AIRCRAFT AND ENGINE NAMES	AIRCRAFT CATEGORY
004	B747SP/JT9D-7	JCOM

	DISTANCE FROM BRAKE RELEASE (FT)	HEIGHT (FT)	SPEED (KTAS)	THRUST (LB)
POINT 1	0	0	16	41971
POINT 2	3752	0	145	35439
POINT 3	8620	1000	147	35777
POINT 4	15742	1917	180	34558
POINT 5	16742	1969	186	29720
POINT 6	22893	2286	222	28076
POINT 7	27578	3000	225	28256
POINT 8	34668	3302	263	26806
POINT 9	51414	5500	271	27288
POINT 10	68135	7500	280	27650
POINT 11	91445	10000	291	0

THRUST FOR LEVEL FLIGHT	GRADIENT AT TAKE-OFF POWER	TAKE-OFF THRUST	GRADIENT AT CLIMB POWER
11778	0.205397	35611	0.147366

CLIMB THRUST	GRADIENT AT FAR36 CUTBACK	THRUST FOR ENGINE OUT LEVEL FLIGHT	VZF (KCAS)
31171	0.040401	15704	215

NUMBER OF ENGINES	RATED THRUST LB	AIRCRAFT WEIGHT (LB)	STAGE NUMBER
4	45500	475000	4

TAKEOFF SEGMENTS DATA (HEADWIND = 8 KT) 05-07-1991 11:22:28

AIRCRAFT ID NUMBER	AIRCRAFT AND ENGINE NAMES	AIRCRAFT CATEGORY
004	B747SP/JT9D-7	JCOM

AIRCRAFT WEIGHT	STAGE NUMBER	NUMBER OF ENGINES
518000	5	4

SEG. NO.	TYPE	FLAP	START ALT (FT)	END ALT (FT)	CALIBRATED START SPEED (KCAS)	CALIBRATED END SPEED (KCAS)	SEG. LNGTH (FT)	THRST (LB)	R/C (FPM)	GRAD
1	TKOFF	10	0	0	16	152	4503	35114	0	0.00000
2	CLIMB	10	0	1000	152	152	5659	35286	2732	0.17671
3	ACCEL	10	1000	1989	152	182	8912	34839	1821	0.10600
4	ACCEL	5	1989	2454	182	222	9335	28624	1000	0.04735
5	CLIMB	ZERO	2454	3000	222	222	4131	27883	3096	0.13227
6	ACCEL	ZERO	3000	3290	222	250	6904	27377	1000	0.03997
7	CLIMB	ZERO	3290	5500	250	250	19114	27057	3125	0.11561
8	CLIMB	ZERO	5500	7500	250	250	19050	27478	2930	0.10499
9	CLIMB	ZERO	7500	10000	250	250	26679	27839	2708	0.09371

SEG. NO.	TYPE	FLAP	THRUST TYPE	VALUE
1	TKOFF	10	MAX TKOFF	
2	CLIMB	10	MAX TKOFF	
3	ACCEL	10	MAX TKOFF	
4	ACCEL	5	MAX CLIMB	
5	CLIMB	ZERO	MAX CLIMB	
6	ACCEL	ZERO	MAX CLIMB	
7	CLIMB	ZERO	MAX CLIMB	
8	CLIMB	ZERO	MAX CLIMB	
9	CLIMB	ZERO	MAX CLIMB	

TAKEOFF PROFILE DATA (HEADWIND = 8 KT) 05-07-1991 11:22:33

AIRCRAFT ID NUMBER	AIRCRAFT AND ENGINE NAMES	AIRCRAFT CATEGORY
004	B747SP/JT9D-7	JCOM

	DISTANCE FROM BRAKE RELEASE (FT)	HEIGHT (FT)	SPEED (KTAS)	THRUST (LB)
POINT 1	0	0	16	41971
POINT 2	4503	0	152	35114
POINT 3	10162	1000	154	35452
POINT 4	19074	1989	187	34226
POINT 5	20074	2039	192	29434
POINT 6	28409	2454	230	27814
POINT 7	32540	3000	232	27951
POINT 8	39444	3290	262	26803
POINT 9	58558	5500	271	27288
POINT 10	77608	7500	280	27650
POINT 11	104287	10000	291	0

THRUST FOR LEVEL FLIGHT	GRADIENT AT TAKE-OFF POWER	TAKE-OFF THRUST	GRADIENT AT CLIMB POWER
12844	0.176710	35286	0.124664

CLIMB THRUST	GRADIENT AT FAR36 CUTBACK	THRUST FOR ENGINE OUT LEVEL FLIGHT	VZF (KCAS)
30891	0.040401	17126	222

NUMBER OF ENGINES	RATED THRUST LB	AIRCRAFT WEIGHT (LB)	STAGE NUMBER
4	45500	518000	5

TAKEOFF SEGMENTS DATA (HEADWIND = 8 KT) 05-07-1991 11:26:25

AIRCRAFT ID NUMBER	AIRCRAFT AND ENGINE NAMES	AIRCRAFT CATEGORY
004	B747SP/JT9D-7	JCOM

AIRCRAFT WEIGHT	STAGE NUMBER	NUMBER OF ENGINES
560000	6	4

SEG. NO.	TYPE	FLAP	START ALT (FT)	END ALT (FT)	CALIBRATED START SPEED (KCAS)	CALIBRATED END SPEED (KCAS)	SEG. LNGTH (FT)	THRST (LB)	R/C (FPM)	GRAD
1	TKOFF	10	0	0	16	158	5309	34809	0	0.00000
2	CLIMB	10	0	1000	158	158	6521	34981	2465	0.15336
3	ACCEL	10	1000	2048	158	188	10846	34544	1643	0.09214
4	ACCEL	5	2048	2636	188	228	12200	28394	1000	0.04589
5	CLIMB	ZERO	2636	3000	228	228	3136	27645	2792	0.11597
6	ACCEL	ZERO	3000	3273	228	250	6567	27245	1000	0.03947
7	CLIMB	ZERO	3273	5500	250	250	21676	27055	2777	0.10275
8	CLIMB	ZERO	5500	7500	250	250	21523	27478	2593	0.09292
9	CLIMB	ZERO	7500	10000	250	250	30294	27839	2384	0.08252

SEG. NO.	TYPE	FLAP	THRUST TYPE	VALUE
1	TKOFF	10	MAX TKOFF	
2	CLIMB	10	MAX TKOFF	
3	ACCEL	10	MAX TKOFF	
4	ACCEL	5	MAX CLIMB	
5	CLIMB	ZERO	MAX CLIMB	
6	ACCEL	ZERO	MAX CLIMB	
7	CLIMB	ZERO	MAX CLIMB	
8	CLIMB	ZERO	MAX CLIMB	
9	CLIMB	ZERO	MAX CLIMB	

TAKEOFF PROFILE DATA (HEADWIND = 8 KT) 05-07-1991 11:26:31

AIRCRAFT ID NUMBER	AIRCRAFT AND ENGINE NAMES	AIRCRAFT CATEGORY
004	B747SP/JT9D-7	JCOM

	DISTANCE FROM BRAKE RELEASE (FT)	HEIGHT (FT)	SPEED (KTAS)	THRUST (LB)
POINT 1	0	0	16	41971
POINT 2	5309	0	158	34809
POINT 3	11829	1000	160	35147
POINT 4	22676	2048	194	33940
POINT 5	23676	2096	197	29189
POINT 6	34876	2636	237	27600
POINT 7	38012	3000	238	27690
POINT 8	44579	3273	262	26799
POINT 9	66256	5500	271	27288
POINT 10	87778	7500	280	27650
POINT 11	118073	10000	291	0

THRUST FOR LEVEL FLIGHT	GRADIENT AT TAKE-OFF POWER	TAKE-OFF THRUST	GRADIENT AT CLIMB POWER
13886	0.153355	34981	0.106074

CLIMB THRUST	GRADIENT AT FAR36 CUTBACK	THRUST FOR ENGINE OUT LEVEL FLIGHT	VZF (KCAS)
30629	0.040401	18514	228

NUMBER OF ENGINES	RATED THRUST LB	AIRCRAFT WEIGHT (LB)	STAGE NUMBER
4	45500	560000	6

TAKEOFF SEGMENTS DATA (HEADWIND = 8 KT) 05-07-1991 11:28:54

AIRCRAFT ID NUMBER	AIRCRAFT AND ENGINE NAMES	AIRCRAFT CATEGORY
004	B747SP/JT9D-7	JCOM

AIRCRAFT WEIGHT	STAGE NUMBER	NUMBER OF ENGINES
625000	7	4

SEG. NO.	TYPE	FLAP	START ALT (FT)	END ALT (FT)	CALIBRATED START SPEED (KCAS)	CALIBRATED END SPEED (KCAS)	SEG. LNGTH (FT)	THRST (LB)	R/C (FPM)	GRAD
1	TKOFF	10	0	0	16	166	6699	34359	0	0.00000
2	CLIMB	10	0	1000	166	166	8072	34531	2104	0.12389
3	ACCEL	10	1000	2121	166	196	14261	34128	1403	0.07487
4	ACCEL	5	2121	3011	196	236	19237	28102	1000	0.04403
5	ACCEL	ZERO	3011	3243	236	250	5658	27068	1000	0.03883
6	CLIMB	ZERO	3243	5500	250	250	26145	27052	2333	0.08634
7	CLIMB	ZERO	5500	7500	250	250	25803	27478	2163	0.07751
8	CLIMB	ZERO	7500	10000	250	250	36644	27839	1971	0.06822

SEG. NO.	TYPE	FLAP	THRUST TYPE	VALUE
1	TKOFF	10	MAX TKOFF	
2	CLIMB	10	MAX TKOFF	
3	ACCEL	10	MAX TKOFF	
4	ACCEL	5	MAX CLIMB	
5	ACCEL	ZERO	MAX CLIMB	
6	CLIMB	ZERO	MAX CLIMB	
7	CLIMB	ZERO	MAX CLIMB	
8	CLIMB	ZERO	MAX CLIMB	

TAKEOFF PROFILE DATA (HEADWIND = 8 KT) 05-07-1991 11:29:00

AIRCRAFT ID NUMBER	AIRCRAFT AND ENGINE NAMES	AIRCRAFT CATEGORY
004	B747SP/JT9D-7	JCOM

	DISTANCE FROM BRAKE RELEASE (FT)	HEIGHT (FT)	SPEED (KTAS)	THRUST (LB)
POINT 1	0	0	16	41971
POINT 2	6699	0	166	34359
POINT 3	14771	1000	169	34697
POINT 4	29031	2121	202	33558
POINT 5	30031	2167	205	28860
POINT 6	48268	3011	247	27345
POINT 7	53926	3243	262	26792
POINT 8	80071	5500	271	27288
POINT 9	105874	7500	280	27650
POINT 10	142518	10000	291	0

THRUST FOR LEVEL FLIGHT	GRADIENT AT TAKE-OFF POWER	TAKE-OFF THRUST	GRADIENT AT CLIMB POWER
15497	0.123890	34531	0.082495

CLIMB THRUST	GRADIENT AT FAR36 CUTBACK	THRUST FOR ENGINE OUT LEVEL FLIGHT	VZF (KCAS)
30242	0.040401	20663	236

NUMBER OF ENGINES	RATED THRUST LB	AIRCRAFT WEIGHT (LB)	STAGE NUMBER
4	45500	625000	7

APPROACH PROFILE DATA (HEADWIND = 8 KT) 02-15-1992 12:26:57

AIRCRAFT ID NUMBER	AIRCRAFT AND ENGINE NAMES	AIRCRAFT CATEGORY
004	B747SP/JT9D-7	JCOM

	DISTANCE FROM RW THRESHOLD (FT)	HEIGHT (FT)	SPEED (KTAS)	THRUST (LB)	FLAPS
POINT 1	113533	6000	273	816	ZERO
POINT 2	56289	3000	167	5306	10
POINT 3	27668	1500	145	6718	D 20
POINT 4	18127	1000	134	10226	D 30
POINT 5	-954	0	132	9863	D 30
POINT 6	-1391	0	126	27300	
POINT 7	-5320	0	30	4550	

NUMBER OF ENGINES	RATED THRUST LB	AIRCRAFT WEIGHT (LB)	GLIDE SLOPE
4	45500	427500	3.00

TAKEOFF SEGMENTS DATA (HEADWIND = 8 KT) 06-24-1991 15:51:31

AIRCRAFT ID NUMBER	AIRCRAFT AND ENGINE NAMES	AIRCRAFT CATEGORY
005	B747-200/JT9D-7Q	JCOM

AIRCRAFT WEIGHT	STAGE NUMBER	NUMBER OF ENGINES
525000	1	4

SEG. NO.	TYPE	FLAP	START ALT (FT)	END ALT (FT)	CALIBRATED START SPEED (KCAS)	CALIBRATED END SPEED (KCAS)	SEG. LNGTH (FT)	THRST (LB)	R/C (FPM)	GRAD
1	TKOFF	10	0	0	16	154	3846	42125	0	0.00000
2	CLIMB	10	0	1000	154	154	4204	42457	3745	0.23785
3	ACCEL	10	1000	1946	154	184	6307	42455	2497	0.14402
4	ACCEL	5	1946	2443	184	244	10572	32600	1000	0.04470
5	CLIMB	ZERO	2443	3000	244	244	3573	31735	4008	0.15579
6	ACCEL	ZERO	3000	3156	244	264	3993	31541	1000	0.03717
7	CLIMB	ZERO	3156	5500	264	264	16290	31818	4103	0.14388
8	CLIMB	ZERO	5500	7500	264	264	14847	32961	3970	0.13471
9	CLIMB	ZERO	7500	10000	264	264	19961	34145	3822	0.12525

SEG. NO.	TYPE	FLAP	THRUST TYPE	VALUE
1	TKOFF	10	MAX TKOFF	
2	CLIMB	10	MAX TKOFF	
3	ACCEL	10	MAX TKOFF	
4	ACCEL	5	MAX CLIMB	
5	CLIMB	ZERO	MAX CLIMB	
6	ACCEL	ZERO	MAX CLIMB	
7	CLIMB	ZERO	MAX CLIMB	
8	CLIMB	ZERO	MAX CLIMB	
9	CLIMB	ZERO	MAX CLIMB	

TAKEOFF PROFILE DATA (HEADWIND = 8 KT) 06-24-1991 15:51:35

AIRCRAFT ID NUMBER	AIRCRAFT AND ENGINE NAMES	AIRCRAFT CATEGORY
005	B747-200/JT9D-7Q	JCOM

	DISTANCE FROM BRAKE RELEASE (FT)	HEIGHT (FT)	SPEED (KTAS)	THRUST (LB)
POINT 1	0	0	16	48167
POINT 2	3846	0	154	42125
POINT 3	8050	1000	157	42789
POINT 4	14357	1946	189	42121
POINT 5	15357	1993	195	33611
POINT 6	24929	2443	253	31588
POINT 7	28503	3000	255	31881
POINT 8	32496	3156	277	31202
POINT 9	48786	5500	287	32435
POINT 10	63633	7500	295	33487
POINT 11	83593	10000	307	0

THRUST FOR LEVEL FLIGHT	GRADIENT AT TAKE-OFF POWER	TAKE-OFF THRUST	GRADIENT AT CLIMB POWER
12101	0.237846	42457	0.158612

CLIMB THRUST	GRADIENT AT FAR36 CUTBACK	THRUST FOR ENGINE OUT LEVEL FLIGHT	VZF (KCAS)
35032	0.040401	16134	244

NUMBER OF ENGINES	RATED THRUST LB	AIRCRAFT WEIGHT (LB)	STAGE NUMBER
4	53000	525000	1

TAKEOFF SEGMENTS DATA (HEADWIND = 8 KT) 06-24-1991 15:52:46

AIRCRAFT ID NUMBER	AIRCRAFT AND ENGINE NAMES	AIRCRAFT CATEGORY
005	B747-200/JT9D-7Q	JCOM

AIRCRAFT WEIGHT	STAGE NUMBER	NUMBER OF ENGINES
545000	2	4

SEG. NO.	TYPE	FLAP	START ALT (FT)	END ALT (FT)	CALIBRATED START SPEED (KCAS)	CALIBRATED END SPEED (KCAS)	SEG. LNGTH (FT)	THRST (LB)	R/C (FPM)	GRAD
1	TKOFF	10	0	0	16	157	4157	41998	0	0.00000
2	CLIMB	10	0	1000	157	157	4462	42330	3595	0.22411
3	ACCEL	10	1000	1967	157	187	6830	42333	2397	0.13570
4	ACCEL	5	1967	2498	187	246	11445	32524	1000	0.04415
5	CLIMB	ZERO	2498	3000	246	246	3408	31673	3821	0.14728
6	ACCEL	ZERO	3000	3168	246	266	4325	31468	1000	0.03688
7	CLIMB	ZERO	3168	5500	266	266	17153	31745	3907	0.13597
8	CLIMB	ZERO	5500	7500	266	266	15721	32885	3778	0.12722
9	CLIMB	ZERO	7500	10000	266	266	21157	34069	3633	0.11816

SEG. NO.	TYPE	FLAP	THRUST TYPE	VALUE
1	TKOFF	10	MAX TKOFF	
2	CLIMB	10	MAX TKOFF	
3	ACCEL	10	MAX TKOFF	
4	ACCEL	5	MAX CLIMB	
5	CLIMB	ZERO	MAX CLIMB	
6	ACCEL	ZERO	MAX CLIMB	
7	CLIMB	ZERO	MAX CLIMB	
8	CLIMB	ZERO	MAX CLIMB	
9	CLIMB	ZERO	MAX CLIMB	

TAKEOFF PROFILE DATA (HEADWIND = 8 KT) 06-24-1991 15:52:49

AIRCRAFT ID NUMBER	AIRCRAFT AND ENGINE NAMES	AIRCRAFT CATEGORY
005	B747-200/JT9D-7Q	JCOM

	DISTANCE FROM BRAKE RELEASE (FT)	HEIGHT (FT)	SPEED (KTAS)	THRUST (LB)
POINT 1	0	0	16	48167
POINT 2	4157	0	157	41998
POINT 3	8619	1000	160	42662
POINT 4	15449	1967	192	42004
POINT 5	16449	2013	198	33508
POINT 6	26893	2498	255	31541
POINT 7	30301	3000	257	31805
POINT 8	34626	3168	279	31132
POINT 9	51779	5500	289	32359
POINT 10	67500	7500	298	33411
POINT 11	88657	10000	310	0

THRUST FOR LEVEL FLIGHT	GRADIENT AT TAKE-OFF POWER	TAKE-OFF THRUST	GRADIENT AT CLIMB POWER
12562	0.224114	42330	0.148480

CLIMB THRUST	GRADIENT AT FAR36 CUTBACK	THRUST FOR ENGINE OUT LEVEL FLIGHT	VZF (KCAS)
34922	0.040401	16749	246

NUMBER OF ENGINES	RATED THRUST LB	AIRCRAFT WEIGHT (LB)	STAGE NUMBER
4	53000	545000	2

TAKEOFF SEGMENTS DATA (HEADWIND = 8 KT) 06-24-1991 15:55:10

AIRCRAFT ID NUMBER	AIRCRAFT AND ENGINE NAMES	AIRCRAFT CATEGORY
005	B747-200/JT9D-7Q	JCOM

AIRCRAFT WEIGHT	STAGE NUMBER	NUMBER OF ENGINES
565000	3	4

SEG. NO.	TYPE	FLAP	START ALT (FT)	END ALT (FT)	CALIBRATED START SPEED (KCAS)	CALIBRATED END SPEED (KCAS)	SEG. LNGTH (FT)	THRST (LB)	R/C (FPM)	GRAD
1	TKOFF	10	0	0	16	160	4481	41873	0	0.00000
2	CLIMB	10	0	1000	160	160	4729	42205	3454	0.21148
3	ACCEL	10	1000	1990	160	190	7404	42213	2303	0.12804
4	ACCEL	5	1990	2374	190	249	11159	32383	750	0.03268
5	CLIMB	ZERO	2374	3000	249	249	4490	31526	3661	0.13952
6	ACCEL	ZERO	3000	3123	249	269	4278	31342	750	0.02734
7	CLIMB	ZERO	3123	5500	269	269	18494	31619	3733	0.12852
8	CLIMB	ZERO	5500	7500	269	269	16657	32771	3606	0.12007
9	CLIMB	ZERO	7500	10000	269	269	22440	33955	3464	0.11141

SEG. NO.	TYPE	FLAP	THRUST TYPE	VALUE
1	TKOFF	10	MAX TKOFF	
2	CLIMB	10	MAX TKOFF	
3	ACCEL	10	MAX TKOFF	
4	ACCEL	5	MAX CLIMB	
5	CLIMB	ZERO	MAX CLIMB	
6	ACCEL	ZERO	MAX CLIMB	
7	CLIMB	ZERO	MAX CLIMB	
8	CLIMB	ZERO	MAX CLIMB	
9	CLIMB	ZERO	MAX CLIMB	

TAKEOFF PROFILE DATA (HEADWIND = 8 KT) 06-24-1991 15:55:13

AIRCRAFT ID NUMBER	AIRCRAFT AND ENGINE NAMES	AIRCRAFT CATEGORY
005	B747-200/JT9D-7Q	JCOM

	DISTANCE FROM BRAKE RELEASE (FT)	HEIGHT (FT)	SPEED (KTAS)	THRUST (LB)
POINT 1	0	0	16	48167
POINT 2	4481	0	160	41873
POINT 3	9209	1000	162	42537
POINT 4	16614	1990	196	41888
POINT 5	17614	2024	201	33406
POINT 6	27772	2374	258	31361
POINT 7	32262	3000	260	31691
POINT 8	36540	3123	282	30994
POINT 9	55035	5500	292	32245
POINT 10	71691	7500	301	33297
POINT 11	94131	10000	313	0

THRUST FOR LEVEL FLIGHT	GRADIENT AT TAKE-OFF POWER	TAKE-OFF THRUST	GRADIENT AT CLIMB POWER
13023	0.211480	42205	0.139120

CLIMB THRUST	GRADIENT AT FAR36 CUTBACK	THRUST FOR ENGINE OUT LEVEL FLIGHT	VZF (KCAS)
34813	0.040401	17363	249

NUMBER OF ENGINES	RATED THRUST LB	AIRCRAFT WEIGHT (LB)	STAGE NUMBER
4	53000	565000	3

TAKEOFF SEGMENTS DATA (HEADWIND = 8 KT) 06-24-1991 15:56:20

AIRCRAFT ID NUMBER	AIRCRAFT AND ENGINE NAMES	AIRCRAFT CATEGORY
005	B747-200/JT9D-7Q	JCOM

AIRCRAFT WEIGHT	STAGE NUMBER	NUMBER OF ENGINES
610000	4	4

SEG. NO.	TYPE	FLAP	START ALT (FT)	END ALT (FT)	CALIBRATED START SPEED (KCAS)	CALIBRATED END SPEED (KCAS)	SEG. LNGTH (FT)	THRST (LB)	R/C (FPM)	GRAD
1	TKOFF	10	0	0	16	166	5257	41599	0	0.00000
2	CLIMB	10	0	1000	166	166	5364	41932	3164	0.18642
3	ACCEL	10	1000	2026	166	196	8679	41957	2109	0.11306
4	ACCEL	5	2026	2474	196	254	13371	32210	750	0.03184
5	CLIMB	ZERO	2474	3000	254	254	4250	31362	3313	0.12368
6	ACCEL	ZERO	3000	3143	254	274	5056	31157	750	0.02682
7	CLIMB	ZERO	3143	5500	274	274	20721	31434	3366	0.11376
8	CLIMB	ZERO	5500	7500	274	274	18852	32580	3245	0.10609
9	CLIMB	ZERO	7500	10000	274	274	25464	33764	3109	0.09818

SEG. NO.	TYPE	FLAP	THRUST TYPE	VALUE
1	TKOFF	10	MAX TKOFF	
2	CLIMB	10	MAX TKOFF	
3	ACCEL	10	MAX TKOFF	
4	ACCEL	5	MAX CLIMB	
5	CLIMB	ZERO	MAX CLIMB	
6	ACCEL	ZERO	MAX CLIMB	
7	CLIMB	ZERO	MAX CLIMB	
8	CLIMB	ZERO	MAX CLIMB	
9	CLIMB	ZERO	MAX CLIMB	

TAKEOFF PROFILE DATA (HEADWIND = 8 KT) 06-24-1991 15:56:24

AIRCRAFT ID NUMBER	AIRCRAFT AND ENGINE NAMES	AIRCRAFT CATEGORY
005	B747-200/JT9D-7Q	JCOM

	DISTANCE FROM BRAKE RELEASE (FT)	HEIGHT (FT)	SPEED (KTAS)	THRUST (LB)
POINT 1	0	0	16	48167
POINT 2	5257	0	166	41599
POINT 3	10622	1000	169	42264
POINT 4	19301	2026	202	41650
POINT 5	20301	2060	207	33197
POINT 6	32672	2474	263	31224
POINT 7	36922	3000	266	31500
POINT 8	41978	3143	287	30814
POINT 9	62700	5500	297	32054
POINT 10	81552	7500	307	33107
POINT 11	107015	10000	319	0

THRUST FOR LEVEL FLIGHT	GRADIENT AT TAKE-OFF POWER	TAKE-OFF THRUST	GRADIENT AT CLIMB POWER
14060	0.186419	41932	0.120451

CLIMB THRUST	GRADIENT AT FAR36 CUTBACK	THRUST FOR ENGINE OUT LEVEL FLIGHT	VZF (KCAS)
34575	0.040401	18746	254

NUMBER OF ENGINES	RATED THRUST LB	AIRCRAFT WEIGHT (LB)	STAGE NUMBER
4	53000	610000	4

TAKEOFF SEGMENTS DATA (HEADWIND = 8 KT) 06-24-1991 15:57:29

AIRCRAFT ID NUMBER	AIRCRAFT AND ENGINE NAMES	AIRCRAFT CATEGORY
005	B747-200/JT9D-7Q	JCOM

AIRCRAFT WEIGHT	STAGE NUMBER	NUMBER OF ENGINES
665000	5	4

SEG. NO.	TYPE	FLAP	START ALT (FT)	END ALT (FT)	CALIBRATED START SPEED (KCAS)	CALIBRATED END SPEED (KCAS)	SEG. LNGTH (FT)	THRST (LB)	R/C (FPM)	GRAD
1	TKOFF	10	0	0	16	174	6297	41279	0	0.00000
2	CLIMB	10	0	1000	174	174	6218	41611	2850	0.16083
3	ACCEL	10	1000	2110	174	204	10865	41650	1900	0.09750
4	ACCEL	5	2110	2678	204	263	17651	31962	750	0.03062
5	CLIMB	ZERO	2678	3000	263	263	3017	31073	2962	0.10662
6	ACCEL	ZERO	3000	3172	263	283	6290	30822	750	0.02593
7	CLIMB	ZERO	3172	5500	283	283	23768	31099	2995	0.09796
8	CLIMB	ZERO	5500	7500	283	283	21945	32238	2879	0.09114
9	CLIMB	ZERO	7500	10000	283	283	29749	33422	2749	0.08404

SEG. NO.	TYPE	FLAP	THRUST TYPE	VALUE
1	TKOFF	10	MAX TKOFF	
2	CLIMB	10	MAX TKOFF	
3	ACCEL	10	MAX TKOFF	
4	ACCEL	5	MAX CLIMB	
5	CLIMB	ZERO	MAX CLIMB	
6	ACCEL	ZERO	MAX CLIMB	
7	CLIMB	ZERO	MAX CLIMB	
8	CLIMB	ZERO	MAX CLIMB	
9	CLIMB	ZERO	MAX CLIMB	

TAKEOFF PROFILE DATA (HEADWIND = 8 KT) 06-24-1991 15:57:33

AIRCRAFT ID NUMBER	AIRCRAFT AND ENGINE NAMES	AIRCRAFT CATEGORY
005	B747-200/JT9D-7Q	JCOM

	DISTANCE FROM BRAKE RELEASE (FT)	HEIGHT (FT)	SPEED (KTAS)	THRUST (LB)
POINT 1	0	0	16	48167
POINT 2	6297	0	174	41279
POINT 3	12514	1000	176	41943
POINT 4	23379	2110	210	41356
POINT 5	24379	2142	214	32936
POINT 6	41029	2678	274	30988
POINT 7	44046	3000	275	31158
POINT 8	50337	3172	297	30486
POINT 9	74105	5500	307	31711
POINT 10	96050	7500	317	32764
POINT 11	125799	10000	329	0

THRUST FOR LEVEL FLIGHT	GRADIENT AT TAKE-OFF POWER	TAKE-OFF THRUST	GRADIENT AT CLIMB POWER
15327	0.160832	41611	0.101260

CLIMB THRUST	GRADIENT AT FAR36 CUTBACK	THRUST FOR ENGINE OUT LEVEL FLIGHT	VZF (KCAS)
34295	0.040401	20437	263

NUMBER OF ENGINES	RATED THRUST LB	AIRCRAFT WEIGHT (LB)	STAGE NUMBER
4	53000	665000	5

TAKEOFF SEGMENTS DATA (HEADWIND = 8 KT) 06-24-1991 15:58:39

AIRCRAFT ID NUMBER	AIRCRAFT AND ENGINE NAMES	AIRCRAFT CATEGORY
005	B747-200/JT9D-7Q	JCOM

AIRCRAFT WEIGHT	STAGE NUMBER	NUMBER OF ENGINES
725000	6	4

SEG. NO.	TYPE	FLAP	START ALT (FT)	END ALT (FT)	CALIBRATED START SPEED (KCAS)	CALIBRATED END SPEED (KCAS)	SEG. LNGTH (FT)	THRST (LB)	R/C (FPM)	GRAD
1	TKOFF	10	0	0	16	181	7545	40944	0	0.00000
2	CLIMB	10	0	1000	181	181	7262	41276	2548	0.13770
3	ACCEL	10	1000	2158	181	211	13175	41345	1699	0.08379
4	ACCEL	5	2158	2914	211	272	24341	31732	750	0.02953
5	CLIMB	ZERO	2914	3000	272	272	939	30792	2624	0.09119
6	ACCEL	ZERO	3000	3210	272	292	7967	30489	750	0.02509
7	CLIMB	ZERO	3210	5500	292	292	27370	30766	2639	0.08366
8	CLIMB	ZERO	5500	7500	292	292	25775	31895	2529	0.07759
9	CLIMB	ZERO	7500	10000	292	292	35103	33079	2404	0.07122

SEG. NO.	TYPE	FLAP	THRUST TYPE	VALUE
1	TKOFF	10	MAX TKOFF	
2	CLIMB	10	MAX TKOFF	
3	ACCEL	10	MAX TKOFF	
4	ACCEL	5	MAX CLIMB	
5	CLIMB	ZERO	MAX CLIMB	
6	ACCEL	ZERO	MAX CLIMB	
7	CLIMB	ZERO	MAX CLIMB	
8	CLIMB	ZERO	MAX CLIMB	
9	CLIMB	ZERO	MAX CLIMB	

TAKEOFF PROFILE DATA (HEADWIND = 8 KT) 06-24-1991 15:58:44

AIRCRAFT ID NUMBER	AIRCRAFT AND ENGINE NAMES	AIRCRAFT CATEGORY
005	B747-200/JT9D-7Q	JCOM

	DISTANCE FROM BRAKE RELEASE (FT)	HEIGHT (FT)	SPEED (KTAS)	THRUST (LB)
POINT 1	0	0	16	48167
POINT 2	7545	0	181	40944
POINT 3	14808	1000	184	41608
POINT 4	27982	2158	218	41083
POINT 5	28982	2189	221	32695
POINT 6	52324	2914	284	30770
POINT 7	53263	3000	284	30815
POINT 8	61230	3210	306	30164
POINT 9	88600	5500	317	31369
POINT 10	114375	7500	327	32421
POINT 11	149478	10000	340	0

THRUST FOR LEVEL FLIGHT	GRADIENT AT TAKE-OFF POWER	TAKE-OFF THRUST	GRADIENT AT CLIMB POWER
16710	0.137699	41276	0.083809

CLIMB THRUST	GRADIENT AT FAR36 CUTBACK	THRUST FOR ENGINE OUT LEVEL FLIGHT	VZF (KCAS)
34003	0.040401	22281	272

NUMBER OF ENGINES	RATED THRUST LB	AIRCRAFT WEIGHT (LB)	STAGE NUMBER
4	53000	725000	6

TAKEOFF SEGMENTS DATA (HEADWIND = 8 KT) 06-24-1991 15:59:59

AIRCRAFT ID NUMBER	AIRCRAFT AND ENGINE NAMES	AIRCRAFT CATEGORY
005	B747-200/JT9D-7Q	JCOM

AIRCRAFT WEIGHT	STAGE NUMBER	NUMBER OF ENGINES
775000	7	4

SEG. NO.	TYPE	FLAP	START ALT (FT)	END ALT (FT)	CALIBRATED START SPEED (KCAS)	CALIBRATED END SPEED (KCAS)	SEG. LNGTH (FT)	THRST (LB)	R/C (FPM)	GRAD
1	TKOFF	10	0	0	16	188	8679	40675	0	0.00000
2	CLIMB	10	0	1000	188	188	8241	41008	2321	0.12135
3	ACCEL	10	1000	2255	188	218	16213	41090	1547	0.07371
4	ACCEL	5	2255	3210	218	279	31726	31569	750	0.02861
5	ACCEL	ZERO	3210	3463	279	299	9878	30345	750	0.02440
6	CLIMB	ZERO	3463	5500	299	299	27804	30566	2371	0.07326
7	CLIMB	ZERO	5500	7500	299	299	29407	31628	2270	0.06801
8	CLIMB	ZERO	7500	10000	299	299	40230	32812	2148	0.06214

SEG. NO.	TYPE	FLAP	THRUST TYPE	VALUE
1	TKOFF	10	MAX TKOFF	
2	CLIMB	10	MAX TKOFF	
3	ACCEL	10	MAX TKOFF	
4	ACCEL	5	MAX CLIMB	
5	ACCEL	ZERO	MAX CLIMB	
6	CLIMB	ZERO	MAX CLIMB	
7	CLIMB	ZERO	MAX CLIMB	
8	CLIMB	ZERO	MAX CLIMB	

TAKEOFF PROFILE DATA (HEADWIND = 8 KT) 06-24-1991 16:00:02

AIRCRAFT ID NUMBER	AIRCRAFT AND ENGINE NAMES	AIRCRAFT CATEGORY
005	B747-200/JT9D-7Q	JCOM

	DISTANCE FROM BRAKE RELEASE (FT)	HEIGHT (FT)	SPEED (KTAS)	THRUST (LB)
POINT 1	0	0	16	48167
POINT 2	8679	0	188	40675
POINT 3	16920	1000	190	41340
POINT 4	33133	2255	225	40841
POINT 5	34133	2285	227	32479
POINT 6	64859	3210	293	30659
POINT 7	74737	3463	315	30030
POINT 8	102541	5500	325	31102
POINT 9	131949	7500	335	32155
POINT 10	172178	10000	348	0

THRUST FOR LEVEL FLIGHT	GRADIENT AT TAKE-OFF POWER	TAKE-OFF THRUST	GRADIENT AT CLIMB POWER
17863	0.121346	41008	0.071422

CLIMB THRUST	GRADIENT AT FAR36 CUTBACK	THRUST FOR ENGINE OUT LEVEL FLIGHT	VZF (KCAS)
33769	0.040401	23817	279

NUMBER OF ENGINES	RATED THRUST LB	AIRCRAFT WEIGHT (LB)	STAGE NUMBER
4	53000	775000	7

APPROACH PROFILE DATA (HEADWIND = 8 KT) 02-15-1992 12:35:03

AIRCRAFT ID NUMBER	AIRCRAFT AND ENGINE NAMES	AIRCRAFT CATEGORY
005	B747-200/JT9D-7Q	JCOM

	DISTANCE FROM RW THRESHOLD (FT)	HEIGHT (FT)	SPEED (KTAS)	THRUST (LB)	FLAPS
POINT 1	113533	6000	273	1082	ZERO
POINT 2	56289	3000	180	5976	10
POINT 3	27668	1500	162	10056	D 25
POINT 4	18127	1000	154	13666	D 30
POINT 5	-954	0	152	13181	D 30
POINT 6	-1417	0	144	31800	
POINT 7	-5580	0	30	5300	

NUMBER OF ENGINES	RATED THRUST LB	AIRCRAFT WEIGHT (LB)	GLIDE SLOPE
4	53000	567000	3.00

TAKEOFF SEGMENTS DATA (HEADWIND = 8 KT) 06-18-1991 16:44:37

AIRCRAFT ID NUMBER	AIRCRAFT AND ENGINE NAMES	AIRCRAFT CATEGORY
009	B707-320B/JT3D-7	JCOM

AIRCRAFT WEIGHT	STAGE NUMBER	NUMBER OF ENGINES
214000	1	4

SEG. NO.	TYPE	FLAP	START ALT (FT)	END ALT (FT)	CALIBRATED START SPEED (KCAS)	CALIBRATED END SPEED (KCAS)	SEG. LNGTH (FT)	THRST (LB)	R/C (FPM)	GRAD
1	TKOFF	14	0	0	16	145	3279	15761	0	0.00000
2	CLIMB	14	0	1000	145	145	4804	15858	3070	0.20818
3	ACCEL	14	1000	1884	145	175	6782	15808	2047	0.12475
4	ACCEL	INT	1884	2045	175	195	2956	13712	1000	0.05192
5	CLIMB	ZERO	2045	3000	195	195	5253	13680	3727	0.18180
6	ACCEL	ZERO	3000	3414	195	250	9295	13433	1000	0.04235
7	CLIMB	ZERO	3414	5500	250	250	14001	13313	4031	0.14899
8	CLIMB	ZERO	5500	7500	250	250	14242	13782	3919	0.14043
9	CLIMB	ZERO	7500	10000	250	250	18981	14354	3806	0.13171

SEG. NO.	TYPE	FLAP	THRUST TYPE	VALUE
1	TKOFF	14	MAX TKOFF	
2	CLIMB	14	MAX TKOFF	
3	ACCEL	14	MAX TKOFF	
4	ACCEL	INT	MAX CLIMB	
5	CLIMB	ZERO	MAX CLIMB	
6	ACCEL	ZERO	MAX CLIMB	
7	CLIMB	ZERO	MAX CLIMB	
8	CLIMB	ZERO	MAX CLIMB	
9	CLIMB	ZERO	MAX CLIMB	

TAKEOFF PROFILE DATA (HEADWIND = 8 KT) 06-18-1991 16:44:43

AIRCRAFT ID NUMBER	AIRCRAFT AND ENGINE NAMES	AIRCRAFT CATEGORY
009	B707-320B/JT3D-7	JCOM

	DISTANCE FROM BRAKE RELEASE (FT)	HEIGHT (FT)	SPEED (KTAS)	THRUST (LB)
POINT 1	0	0	16	17792
POINT 2	3279	0	145	15761
POINT 3	8082	1000	147	15957
POINT 4	14865	1884	180	15660
POINT 5	15865	1938	187	13836
POINT 6	17820	2045	201	13588
POINT 7	23073	3000	204	13775
POINT 8	32368	3414	263	13092
POINT 9	46369	5500	271	13546
POINT 10	60611	7500	280	14029
POINT 11	79592	10000	291	0

THRUST FOR LEVEL FLIGHT	GRADIENT AT TAKE-OFF POWER	TAKE-OFF THRUST	GRADIENT AT CLIMB POWER
4972	0.208181	15858	0.159653

CLIMB THRUST	GRADIENT AT FAR36 CUTBACK	THRUST FOR ENGINE OUT LEVEL FLIGHT	VZF (KCAS)
14380	0.040401	6630	195

NUMBER OF ENGINES	RATED THRUST LB	AIRCRAFT WEIGHT (LB)	STAGE NUMBER
4	19000	214000	1

TAKEOFF SEGMENTS DATA (HEADWIND = 8 KT) 06-18-1991 16:46:14

AIRCRAFT ID NUMBER	AIRCRAFT AND ENGINE NAMES	AIRCRAFT CATEGORY
009	B707-320B/JT3D-7	JCOM

AIRCRAFT WEIGHT	STAGE NUMBER	NUMBER OF ENGINES
228000	2	4

SEG. NO.	TYPE	FLAP	START ALT (FT)	END ALT (FT)	CALIBRATED START SPEED (KCAS)	CALIBRATED END SPEED (KCAS)	SEG. LNGTH (FT)	THRST (LB)	R/C (FPM)	GRAD
1	TKOFF	14	0	0	16	149	3739	15688	0	0.00000
2	CLIMB	14	0	1000	149	149	5328	15784	2857	0.18770
3	ACCEL	14	1000	1899	149	179	7612	15742	1905	0.11287
4	ACCEL	INT	1899	2084	179	199	3478	13661	1000	0.05080
5	CLIMB	ZERO	2084	3000	199	199	5528	13628	3466	0.16563
6	ACCEL	ZERO	3000	3433	199	250	9814	13407	1000	0.04196
7	CLIMB	ZERO	3433	5500	250	250	15170	13315	3687	0.13625
8	CLIMB	ZERO	5500	7500	250	250	15590	13782	3580	0.12829
9	CLIMB	ZERO	7500	10000	250	250	20808	14354	3472	0.12015

SEG. NO.	TYPE	FLAP	THRUST TYPE	VALUE
1	TKOFF	14	MAX TKOFF	
2	CLIMB	14	MAX TKOFF	
3	ACCEL	14	MAX TKOFF	
4	ACCEL	INT	MAX CLIMB	
5	CLIMB	ZERO	MAX CLIMB	
6	ACCEL	ZERO	MAX CLIMB	
7	CLIMB	ZERO	MAX CLIMB	
8	CLIMB	ZERO	MAX CLIMB	
9	CLIMB	ZERO	MAX CLIMB	

TAKEOFF PROFILE DATA (HEADWIND = 8 KT) 06-18-1991 16:46:19

AIRCRAFT ID NUMBER	AIRCRAFT AND ENGINE NAMES	AIRCRAFT CATEGORY
009	B707-320B/JT3D-7	JCOM

	DISTANCE FROM BRAKE RELEASE (FT)	HEIGHT (FT)	SPEED (KTAS)	THRUST (LB)
POINT 1	0	0	16	17792
POINT 2	3739	0	149	15688
POINT 3	9067	1000	151	15884
POINT 4	16680	1899	184	15600
POINT 5	17680	1952	190	13783
POINT 6	20158	2084	205	13539
POINT 7	25685	3000	208	13719
POINT 8	35500	3433	263	13095
POINT 9	50669	5500	271	13546
POINT 10	66259	7500	280	14029
POINT 11	87067	10000	291	0

THRUST FOR LEVEL FLIGHT	GRADIENT AT TAKE-OFF POWER	TAKE-OFF THRUST	GRADIENT AT CLIMB POWER
5298	0.187700	15784	0.142821

CLIMB THRUST	GRADIENT AT FAR36 CUTBACK	THRUST FOR ENGINE OUT LEVEL FLIGHT	VZF (KCAS)
14315	0.040401	7063	199

NUMBER OF ENGINES	RATED THRUST LB	AIRCRAFT WEIGHT (LB)	STAGE NUMBER
4	19000	228000	2

TAKEOFF SEGMENTS DATA (HEADWIND = 8 KT) 06-18-1991 16:47:25

AIRCRAFT ID NUMBER	AIRCRAFT AND ENGINE NAMES	AIRCRAFT CATEGORY
009	B707-320B/JT3D-7	JCOM

AIRCRAFT WEIGHT	STAGE NUMBER	NUMBER OF ENGINES
240000	3	4

SEG. NO.	TYPE	FLAP	START ALT (FT)	END ALT (FT)	CALIBRATED START SPEED (KCAS)	CALIBRATED END SPEED (KCAS)	SEG. LNGTH (FT)	THRST (LB)	R/C (FPM)	GRAD
1	TKOFF	14	0	0	16	153	4160	15627	0	0.00000
2	CLIMB	14	0	1000	153	153	5806	15723	2689	0.17223
3	ACCEL	14	1000	1931	153	183	8582	15683	1793	0.10361
4	ACCEL	INT	1931	2141	183	203	4021	13614	1000	0.04971
5	CLIMB	ZERO	2141	3000	203	203	5969	13578	3072	0.14388
6	ACCEL	ZERO	3000	3442	203	250	10114	13380	1000	0.04159
7	CLIMB	ZERO	3442	5500	250	250	16257	13316	3425	0.12657
8	CLIMB	ZERO	5500	7500	250	250	16799	13782	3323	0.11905
9	CLIMB	ZERO	7500	10000	250	250	22454	14354	3217	0.11134

SEG. NO.	TYPE	FLAP	THRUST TYPE	VALUE
1	TKOFF	14	MAX TKOFF	
2	CLIMB	14	MAX TKOFF	
3	ACCEL	14	MAX TKOFF	
4	ACCEL	INT	MAX CLIMB	
5	CLIMB	ZERO	MAX CLIMB	
6	ACCEL	ZERO	MAX CLIMB	
7	CLIMB	ZERO	MAX CLIMB	
8	CLIMB	ZERO	MAX CLIMB	
9	CLIMB	ZERO	MAX CLIMB	

TAKEOFF PROFILE DATA (HEADWIND = 8 KT) 06-18-1991 16:47:28

AIRCRAFT ID NUMBER	AIRCRAFT AND ENGINE NAMES	AIRCRAFT CATEGORY
009	B707-320B/JT3D-7	JCOM

	DISTANCE FROM BRAKE RELEASE (FT)	HEIGHT (FT)	SPEED (KTAS)	THRUST (LB)
POINT 1	0	0	16	17792
POINT 2	4160	0	153	15627
POINT 3	9966	1000	155	15822
POINT 4	18548	1931	188	15543
POINT 5	19548	1983	194	13734
POINT 6	22569	2141	210	13494
POINT 7	28538	3000	212	13663
POINT 8	38652	3442	263	13097
POINT 9	54909	5500	271	13546
POINT 10	71708	7500	280	14029
POINT 11	94162	10000	291	0

THRUST FOR LEVEL FLIGHT	GRADIENT AT TAKE-OFF POWER	TAKE-OFF THRUST	GRADIENT AT CLIMB POWER
5576	0.172231	15723	0.130061

CLIMB THRUST	GRADIENT AT FAR36 CUTBACK	THRUST FOR ENGINE OUT LEVEL FLIGHT	VZF (KCAS)
14261	0.040401	7435	203

NUMBER OF ENGINES	RATED THRUST LB	AIRCRAFT WEIGHT (LB)	STAGE NUMBER
4	19000	240000	3

TAKEOFF SEGMENTS DATA (HEADWIND = 8 KT) 06-18-1991 16:48:27

AIRCRAFT ID NUMBER	AIRCRAFT AND ENGINE NAMES	AIRCRAFT CATEGORY
009	B707-320B/JT3D-7	JCOM

AIRCRAFT WEIGHT	STAGE NUMBER	NUMBER OF ENGINES
260000	4	4

SEG. NO.	TYPE	FLAP	START ALT (FT)	END ALT (FT)	CALIBRATED START SPEED (KCAS)	CALIBRATED END SPEED (KCAS)	SEG. LNGTH (FT)	THRST (LB)	R/C (FPM)	GRAD
1	TKOFF	14	0	0	16	159	4913	15528	0	0.00000
2	CLIMB	14	0	1000	159	159	6672	15624	2436	0.14989
3	ACCEL	14	1000	1975	159	189	10288	15591	1624	0.09040
4	ACCEL	INT	1975	2235	189	209	5125	13543	1000	0.04816
5	CLIMB	ZERO	2235	3000	209	209	6024	13503	2796	0.12707
6	ACCEL	ZERO	3000	3458	209	250	10614	13340	1000	0.04104
7	CLIMB	ZERO	3458	5500	250	250	18153	13318	3044	0.11248
8	CLIMB	ZERO	5500	7500	250	250	18939	13782	2947	0.10560
9	CLIMB	ZERO	7500	10000	250	250	25377	14354	2846	0.09851

SEG. NO.	TYPE	FLAP	THRUST TYPE	VALUE
1	TKOFF	14	MAX TKOFF	
2	CLIMB	14	MAX TKOFF	
3	ACCEL	14	MAX TKOFF	
4	ACCEL	INT	MAX CLIMB	
5	CLIMB	ZERO	MAX CLIMB	
6	ACCEL	ZERO	MAX CLIMB	
7	CLIMB	ZERO	MAX CLIMB	
8	CLIMB	ZERO	MAX CLIMB	
9	CLIMB	ZERO	MAX CLIMB	

TAKEOFF PROFILE DATA (HEADWIND = 8 KT) 06-18-1991 16:48:30

AIRCRAFT ID NUMBER	AIRCRAFT AND ENGINE NAMES	AIRCRAFT CATEGORY
009	B707-320B/JT3D-7	JCOM

	DISTANCE FROM BRAKE RELEASE (FT)	HEIGHT (FT)	SPEED (KTAS)	THRUST (LB)
POINT 1	0	0	16	17792
POINT 2	4913	0	159	15528
POINT 3	11585	1000	162	15724
POINT 4	21873	1975	195	15458
POINT 5	22873	2026	199	13658
POINT 6	26998	2235	216	13429
POINT 7	33022	3000	218	13579
POINT 8	43636	3458	263	13101
POINT 9	61789	5500	271	13546
POINT 10	80728	7500	280	14029
POINT 11	106105	10000	291	0

THRUST FOR LEVEL FLIGHT	GRADIENT AT TAKE-OFF POWER	TAKE-OFF THRUST	GRADIENT AT CLIMB POWER
6041	0.149885	15624	0.111565

CLIMB THRUST	GRADIENT AT FAR36 CUTBACK	THRUST FOR ENGINE OUT LEVEL FLIGHT	VZF (KCAS)
14174	0.040401	8055	209

NUMBER OF ENGINES	RATED THRUST LB	AIRCRAFT WEIGHT (LB)	STAGE NUMBER
4	19000	260000	4

TAKEOFF SEGMENTS DATA (HEADWIND = 8 KT) 06-18-1991 16:50:12

AIRCRAFT ID NUMBER	AIRCRAFT AND ENGINE NAMES	AIRCRAFT CATEGORY
009	B707-320B/JT3D-7	JCOM

AIRCRAFT WEIGHT	STAGE NUMBER	NUMBER OF ENGINES
286000	5	4

SEG. NO.	TYPE	FLAP	START ALT (FT)	END ALT (FT)	CALIBRATED START SPEED (KCAS)	CALIBRATED END SPEED (KCAS)	SEG. LNGTH (FT)	THRST (LB)	R/C (FPM)	GRAD
1	TKOFF	14	0	0	16	167	5992	15405	0	0.00000
2	CLIMB	14	0	1000	167	167	7947	15501	2145	0.12583
3	ACCEL	14	1000	2056	167	197	13237	15475	1430	0.07601
4	ACCEL	INT	2056	2405	197	217	7173	13456	1000	0.04621
5	CLIMB	ZERO	2405	3000	217	217	5476	13408	2487	0.10873
6	ACCEL	ZERO	3000	3463	217	250	10901	13285	1000	0.04034
7	CLIMB	ZERO	3463	5500	250	250	20959	13318	2631	0.09721
8	CLIMB	ZERO	5500	7500	250	250	21979	13782	2540	0.09100
9	CLIMB	ZERO	7500	10000	250	250	29559	14354	2444	0.08458

SEG. NO.	TYPE	FLAP	THRUST TYPE	VALUE
1	TKOFF	14	MAX TKOFF	
2	CLIMB	14	MAX TKOFF	
3	ACCEL	14	MAX TKOFF	
4	ACCEL	INT	MAX CLIMB	
5	CLIMB	ZERO	MAX CLIMB	
6	ACCEL	ZERO	MAX CLIMB	
7	CLIMB	ZERO	MAX CLIMB	
8	CLIMB	ZERO	MAX CLIMB	
9	CLIMB	ZERO	MAX CLIMB	

TAKEOFF PROFILE DATA (HEADWIND = 8 KT) 06-18-1991 16:50:15

AIRCRAFT ID NUMBER	AIRCRAFT AND ENGINE NAMES	AIRCRAFT CATEGORY
009	B707-320B/JT3D-7	JCOM

	DISTANCE FROM BRAKE RELEASE (FT)	HEIGHT (FT)	SPEED (KTAS)	THRUST (LB)
POINT 1	0	0	16	17792
POINT 2	5992	0	167	15405
POINT 3	13939	1000	170	15601
POINT 4	27176	2056	203	15349
POINT 5	28176	2105	206	13562
POINT 6	34349	2405	225	13350
POINT 7	39825	3000	227	13468
POINT 8	50726	3463	263	13102
POINT 9	71685	5500	271	13546
POINT 10	93664	7500	280	14029
POINT 11	123223	10000	291	0

THRUST FOR LEVEL FLIGHT	GRADIENT AT TAKE-OFF POWER	TAKE-OFF THRUST	GRADIENT AT CLIMB POWER
6645	0.125834	15501	0.091578

CLIMB THRUST	GRADIENT AT FAR36 CUTBACK	THRUST FOR ENGINE OUT LEVEL FLIGHT	VZF (KCAS)
14065	0.040401	8860	217

NUMBER OF ENGINES	RATED THRUST LB	AIRCRAFT WEIGHT (LB)	STAGE NUMBER
4	19000	286000	5

TAKEOFF SEGMENTS DATA (HEADWIND = 8 KT) 06-18-1991 16:51:32

AIRCRAFT ID NUMBER	AIRCRAFT AND ENGINE NAMES	AIRCRAFT CATEGORY
009	B707-320B/JT3D-7	JCOM

AIRCRAFT WEIGHT	STAGE NUMBER	NUMBER OF ENGINES
312000	6	4

SEG. NO.	TYPE	FLAP	START ALT (FT)	END ALT (FT)	CALIBRATED START SPEED (KCAS)	CALIBRATED END SPEED (KCAS)	SEG. LNGTH (FT)	THRST (LB)	R/C (FPM)	GRAD
1	TKOFF	14	0	0	16	175	7186	15288	0	0.00000
2	CLIMB	14	0	1000	175	175	9432	15384	1888	0.10603
3	ACCEL	14	1000	2162	175	205	17252	15365	1259	0.06410
4	ACCEL	INT	2162	2470	205	225	8260	13361	800	0.03553
5	CLIMB	ZERO	2470	3000	225	225	5652	13303	2223	0.09371
6	ACCEL	ZERO	3000	3303	225	250	9069	13212	800	0.03176
7	CLIMB	ZERO	3303	5500	250	250	25914	13301	2292	0.08478
8	CLIMB	ZERO	5500	7500	250	250	25359	13782	2201	0.07887
9	CLIMB	ZERO	7500	10000	250	250	34247	14354	2109	0.07300

SEG. NO.	TYPE	FLAP	THRUST TYPE	VALUE
1	TKOFF	14	MAX TKOFF	
2	CLIMB	14	MAX TKOFF	
3	ACCEL	14	MAX TKOFF	
4	ACCEL	INT	MAX CLIMB	
5	CLIMB	ZERO	MAX CLIMB	
6	ACCEL	ZERO	MAX CLIMB	
7	CLIMB	ZERO	MAX CLIMB	
8	CLIMB	ZERO	MAX CLIMB	
9	CLIMB	ZERO	MAX CLIMB	

TAKEOFF PROFILE DATA (HEADWIND = 8 KT) 06-18-1991 16:51:36

AIRCRAFT ID NUMBER	AIRCRAFT AND ENGINE NAMES	AIRCRAFT CATEGORY
009	B707-320B/JT3D-7	JCOM

	DISTANCE FROM BRAKE RELEASE (FT)	HEIGHT (FT)	SPEED (KTAS)	THRUST (LB)
POINT 1	0	0	16	17792
POINT 2	7186	0	175	15288
POINT 3	16617	1000	177	15484
POINT 4	33869	2162	212	15246
POINT 5	34869	2199	214	13470
POINT 6	42129	2470	233	13251
POINT 7	47782	3000	235	13356
POINT 8	56851	3303	263	13069
POINT 9	82764	5500	271	13546
POINT 10	108124	7500	280	14029
POINT 11	142371	10000	291	0

THRUST FOR LEVEL FLIGHT	GRADIENT AT TAKE-OFF POWER	TAKE-OFF THRUST	GRADIENT AT CLIMB POWER
7249	0.106026	15384	0.075064

CLIMB THRUST	GRADIENT AT FAR36 CUTBACK	THRUST FOR ENGINE OUT LEVEL FLIGHT	VZF (KCAS)
13962	0.040401	9666	225

NUMBER OF ENGINES	RATED THRUST LB	AIRCRAFT WEIGHT (LB)	STAGE NUMBER
4	19000	312000	6

TAKEOFF SEGMENTS DATA (HEADWIND = 8 KT) 06-18-1991 16:52:56

AIRCRAFT ID NUMBER	AIRCRAFT AND ENGINE NAMES	AIRCRAFT CATEGORY
009	B707-320B/JT3D-7	JCOM

AIRCRAFT WEIGHT	STAGE NUMBER	NUMBER OF ENGINES
330000	7	4

SEG. NO.	TYPE	FLAP	START ALT (FT)	END ALT (FT)	CALIBRATED START SPEED (KCAS)	CALIBRATED END SPEED (KCAS)	SEG. LNGTH (FT)	THRST (LB)	R/C (FPM)	GRAD
1	TKOFF	14	0	0	16	179	8080	15209	0	0.00000
2	CLIMB	14	0	1000	179	179	10612	15306	1726	0.09424
3	ACCEL	14	1000	2188	179	209	19751	15297	1151	0.05721
4	ACCEL	INT	2188	2568	209	229	10370	13317	800	0.03485
5	CLIMB	ZERO	2568	3000	229	229	5093	13257	2051	0.08487
6	ACCEL	ZERO	3000	3295	229	250	8900	13184	800	0.03150
7	CLIMB	ZERO	3295	5500	250	250	28563	13300	2087	0.07720
8	CLIMB	ZERO	5500	7500	250	250	27931	13782	1998	0.07161
9	CLIMB	ZERO	7500	10000	250	250	37840	14354	1909	0.06607

SEG. NO.	TYPE	FLAP	THRUST TYPE	VALUE
1	TKOFF	14	MAX TKOFF	
2	CLIMB	14	MAX TKOFF	
3	ACCEL	14	MAX TKOFF	
4	ACCEL	INT	MAX CLIMB	
5	CLIMB	ZERO	MAX CLIMB	
6	ACCEL	ZERO	MAX CLIMB	
7	CLIMB	ZERO	MAX CLIMB	
8	CLIMB	ZERO	MAX CLIMB	
9	CLIMB	ZERO	MAX CLIMB	

TAKEOFF PROFILE DATA (HEADWIND = 8 KT) 06-18-1991 16:53:00

AIRCRAFT ID NUMBER	AIRCRAFT AND ENGINE NAMES	AIRCRAFT CATEGORY
009	B707-320B/JT3D-7	JCOM

	DISTANCE FROM BRAKE RELEASE (FT)	HEIGHT (FT)	SPEED (KTAS)	THRUST (LB)
POINT 1	0	0	16	17792
POINT 2	8080	0	179	15209
POINT 3	18692	1000	182	15405
POINT 4	38443	2188	216	15188
POINT 5	39443	2224	218	13420
POINT 6	48813	2568	238	13214
POINT 7	53907	3000	239	13300
POINT 8	62807	3295	262	13067
POINT 9	91370	5500	271	13546
POINT 10	119301	7500	280	14029
POINT 11	157141	10000	291	0

THRUST FOR LEVEL FLIGHT	GRADIENT AT TAKE-OFF POWER	TAKE-OFF THRUST	GRADIENT AT CLIMB POWER
7668	0.094236	15306	0.065214

CLIMB THRUST	GRADIENT AT FAR36 CUTBACK	THRUST FOR ENGINE OUT LEVEL FLIGHT	VZF (KCAS)
13892	0.040401	10223	229

NUMBER OF ENGINES	RATED THRUST LB	AIRCRAFT WEIGHT (LB)	STAGE NUMBER
4	19000	330000	7

APPROACH PROFILE DATA (HEADWIND = 8 KT) 02-15-1992 12:21:34

AIRCRAFT ID NUMBER	AIRCRAFT AND ENGINE NAMES	AIRCRAFT CATEGORY
009	B707-320B/JT3D-7	JCOM

	DISTANCE FROM RW THRESHOLD (FT)	HEIGHT (FT)	SPEED (KTAS)	THRUST (LB)	FLAPS
POINT 1	113533	6000	273	372	ZERO
POINT 2	56289	3000	167	2387	14
POINT 3	27668	1500	148	3341	D 25
POINT 4	18127	1000	134	4826	D 40
POINT 5	-954	0	132	4655	D 40
POINT 6	-1365	0	125	11400	
POINT 7	-5060	0	30	1900	

NUMBER OF ENGINES	RATED THRUST LB	AIRCRAFT WEIGHT (LB)	GLIDE SLOPE
4	19000	222300	3.00

TAKEOFF SEGMENTS DATA (HEADWIND = 8 KT) 06-19-1991 14:19:06

AIRCRAFT ID NUMBER	AIRCRAFT AND ENGINE NAMES	AIRCRAFT CATEGORY
011	B720B/JT3D-3	JCOM

AIRCRAFT WEIGHT	STAGE NUMBER	NUMBER OF ENGINES
165000	1	4

SEG. NO.	TYPE	FLAP	START ALT (FT)	END ALT (FT)	CALIBRATED START SPEED (KCAS)	CALIBRATED END SPEED (KCAS)	SEG. LNGTH (FT)	THRST (LB)	R/C (FPM)	GRAD
1	TKOFF	20	0	0	16	145	2684	14529	0	0.00000
2	CLIMB	20	0	1000	145	145	3741	14599	3948	0.26729
3	ACCEL	20	1000	1923	145	175	5512	14505	2632	0.16104
4	ACCEL	INT	1923	2043	175	195	2211	12306	1000	0.05191
5	CLIMB	ZERO	2043	3000	195	195	4310	12242	4551	0.22200
6	ACCEL	ZERO	3000	3322	195	250	7214	11957	1000	0.04238
7	CLIMB	ZERO	3322	5500	250	250	12117	11757	4861	0.17979
8	CLIMB	ZERO	5500	7500	250	250	11964	12052	4665	0.16716
9	CLIMB	ZERO	7500	10000	250	250	16201	12386	4459	0.15431

SEG. NO.	TYPE	FLAP	THRUST TYPE	VALUE
1	TKOFF	20	MAX TKOFF	
2	CLIMB	20	MAX TKOFF	
3	ACCEL	20	MAX TKOFF	
4	ACCEL	INT	MAX CLIMB	
5	CLIMB	ZERO	MAX CLIMB	
6	ACCEL	ZERO	MAX CLIMB	
7	CLIMB	ZERO	MAX CLIMB	
8	CLIMB	ZERO	MAX CLIMB	
9	CLIMB	ZERO	MAX CLIMB	

TAKEOFF PROFILE DATA (HEADWIND = 8 KT) 06-19-1991 14:19:09

AIRCRAFT ID NUMBER	AIRCRAFT AND ENGINE NAMES	AIRCRAFT CATEGORY
011	B720B/JT3D-3	JCOM

	DISTANCE FROM BRAKE RELEASE (FT)	HEIGHT (FT)	SPEED (KTAS)	THRUST (LB)
POINT 1	0	0	16	16521
POINT 2	2684	0	145	14529
POINT 3	6426	1000	147	14671
POINT 4	11938	1923	180	14338
POINT 5	12938	1977	189	12433
POINT 6	14149	2043	201	12180
POINT 7	18459	3000	204	12305
POINT 8	25673	3322	263	11610
POINT 9	37790	5500	271	11909
POINT 10	49754	7500	280	12198
POINT 11	65955	10000	291	0

THRUST FOR LEVEL FLIGHT	GRADIENT AT TAKE-OFF POWER	TAKE-OFF THRUST	GRADIENT AT CLIMB POWER
3946	0.267287	14599	0.199689

CLIMB THRUST	GRADIENT AT FAR36 CUTBACK	THRUST FOR ENGINE OUT LEVEL FLIGHT	VZF (KCAS)
12913	0.040401	5261	195

NUMBER OF ENGINES	RATED THRUST LB	AIRCRAFT WEIGHT (LB)	STAGE NUMBER
4	18000	165000	1

TAKEOFF SEGMENTS DATA (HEADWIND = 8 KT) 06-19-1991 14:20:03

AIRCRAFT ID NUMBER	AIRCRAFT AND ENGINE NAMES	AIRCRAFT CATEGORY
011	B720B/JT3D-3	JCOM

AIRCRAFT WEIGHT	STAGE NUMBER	NUMBER OF ENGINES
175000	2	4

SEG. NO.	TYPE	FLAP	START ALT (FT)	END ALT (FT)	CALIBRATED START SPEED (KCAS)	CALIBRATED END SPEED (KCAS)	SEG. LNGTH (FT)	THRST (LB)	R/C (FPM)	GRAD
1	TKOFF	20	0	0	16	149	3034	14462	0	0.00000
2	CLIMB	20	0	1000	149	149	4106	14532	3705	0.24356
3	ACCEL	20	1000	1939	149	179	6132	14441	2470	0.14697
4	ACCEL	INT	1939	2074	179	199	2534	12256	1000	0.05079
5	CLIMB	ZERO	2074	3000	199	199	4540	12190	4268	0.20399
6	ACCEL	ZERO	3000	3330	199	250	7464	11931	1000	0.04200
7	CLIMB	ZERO	3330	5500	250	250	13073	11758	4488	0.16601
8	CLIMB	ZERO	5500	7500	250	250	12970	12052	4304	0.15420
9	CLIMB	ZERO	7500	10000	250	250	17586	12386	4107	0.14216

SEG. NO.	TYPE	FLAP	THRUST TYPE	VALUE
1	TKOFF	20	MAX TKOFF	
2	CLIMB	20	MAX TKOFF	
3	ACCEL	20	MAX TKOFF	
4	ACCEL	INT	MAX CLIMB	
5	CLIMB	ZERO	MAX CLIMB	
6	ACCEL	ZERO	MAX CLIMB	
7	CLIMB	ZERO	MAX CLIMB	
8	CLIMB	ZERO	MAX CLIMB	
9	CLIMB	ZERO	MAX CLIMB	

TAKEOFF PROFILE DATA (HEADWIND = 8 KT) 06-19-1991 14:20:06

AIRCRAFT ID NUMBER	AIRCRAFT AND ENGINE NAMES	AIRCRAFT CATEGORY
011	B720B/JT3D-3	JCOM

	DISTANCE FROM BRAKE RELEASE (FT)	HEIGHT (FT)	SPEED (KTAS)	THRUST (LB)
POINT 1	0	0	16	16521
POINT 2	3034	0	149	14462
POINT 3	7139	1000	151	14604
POINT 4	13271	1939	184	14279
POINT 5	14271	1992	192	12381
POINT 6	15805	2074	205	12130
POINT 7	20345	3000	208	12251
POINT 8	27809	3330	263	11611
POINT 9	40882	5500	271	11909
POINT 10	53852	7500	280	12198
POINT 11	71439	10000	291	0

THRUST FOR LEVEL FLIGHT	GRADIENT AT TAKE-OFF POWER	TAKE-OFF THRUST	GRADIENT AT CLIMB POWER
4185	0.243562	14532	0.180999

CLIMB THRUST	GRADIENT AT FAR36 CUTBACK	THRUST FOR ENGINE OUT LEVEL FLIGHT	VZF (KCAS)
12855	0.040401	5580	199

NUMBER OF ENGINES	RATED THRUST LB	AIRCRAFT WEIGHT (LB)	STAGE NUMBER
4	18000	175000	2

TAKEOFF SEGMENTS DATA (HEADWIND = 8 KT) 06-19-1991 14:21:22

AIRCRAFT ID NUMBER	AIRCRAFT AND ENGINE NAMES	AIRCRAFT CATEGORY
011	B720B/JT3D-3	JCOM

AIRCRAFT WEIGHT	STAGE NUMBER	NUMBER OF ENGINES
185000	3	4

SEG. NO.	TYPE	FLAP	START ALT (FT)	END ALT (FT)	CALIBRATED START SPEED (KCAS)	CALIBRATED END SPEED (KCAS)	SEG. LNGTH (FT)	THRST (LB)	R/C (FPM)	GRAD
1	TKOFF	20	0	0	16	153	3405	14397	0	0.00000
2	CLIMB	20	0	1000	153	153	4489	14467	3484	0.22277
3	ACCEL	20	1000	1960	153	183	6838	14380	2323	0.13460
4	ACCEL	INT	1960	2112	183	203	2902	12206	1000	0.04971
5	CLIMB	ZERO	2112	3000	203	203	5031	12139	3769	0.17652
6	ACCEL	ZERO	3000	3335	203	250	7660	11905	1000	0.04163
7	CLIMB	ZERO	3335	5500	250	250	14074	11758	4158	0.15380
8	CLIMB	ZERO	5500	7500	250	250	14014	12052	3983	0.14271
9	CLIMB	ZERO	7500	10000	250	250	19031	12386	3796	0.13137

SEG. NO.	TYPE	FLAP	THRUST TYPE	VALUE
1	TKOFF	20	MAX TKOFF	
2	CLIMB	20	MAX TKOFF	
3	ACCEL	20	MAX TKOFF	
4	ACCEL	INT	MAX CLIMB	
5	CLIMB	ZERO	MAX CLIMB	
6	ACCEL	ZERO	MAX CLIMB	
7	CLIMB	ZERO	MAX CLIMB	
8	CLIMB	ZERO	MAX CLIMB	
9	CLIMB	ZERO	MAX CLIMB	

TAKEOFF PROFILE DATA (HEADWIND = 8 KT) 06-19-1991 14:21:25

AIRCRAFT ID NUMBER	AIRCRAFT AND ENGINE NAMES	AIRCRAFT CATEGORY
011	B720B/JT3D-3	JCOM

	DISTANCE FROM BRAKE RELEASE (FT)	HEIGHT (FT)	SPEED (KTAS)	THRUST (LB)
POINT 1	0	0	16	16521
POINT 2	3405	0	153	14397
POINT 3	7894	1000	156	14539
POINT 4	14733	1960	188	14220
POINT 5	15733	2013	196	12330
POINT 6	17635	2112	209	12082
POINT 7	22666	3000	212	12198
POINT 8	30326	3335	263	11612
POINT 9	44400	5500	271	11909
POINT 10	58414	7500	280	12198
POINT 11	77445	10000	291	0

THRUST FOR LEVEL FLIGHT	GRADIENT AT TAKE-OFF POWER	TAKE-OFF THRUST	GRADIENT AT CLIMB POWER
4424	0.222770	14467	0.164517

CLIMB THRUST	GRADIENT AT FAR36 CUTBACK	THRUST FOR ENGINE OUT LEVEL FLIGHT	VZF (KCAS)
12799	0.040401	5899	203

NUMBER OF ENGINES	RATED THRUST LB	AIRCRAFT WEIGHT (LB)	STAGE NUMBER
4	18000	185000	3

TAKEOFF SEGMENTS DATA (HEADWIND = 8 KT) 06-19-1991 14:22:19

AIRCRAFT ID NUMBER	AIRCRAFT AND ENGINE NAMES	AIRCRAFT CATEGORY
011	B720B/JT3D-3	JCOM

AIRCRAFT WEIGHT	STAGE NUMBER	NUMBER OF ENGINES
200000	4	4

SEG. NO.	TYPE	FLAP	START ALT (FT)	END ALT (FT)	CALIBRATED START SPEED (KCAS)	CALIBRATED END SPEED (KCAS)	SEG. LNGTH (FT)	THRST (LB)	R/C (FPM)	GRAD
1	TKOFF	20	0	0	16	159	4006	14303	0	0.00000
2	CLIMB	20	0	1000	159	159	5103	14373	3187	0.19595
3	ACCEL	20	1000	2003	159	189	8090	14289	2125	0.11858
4	ACCEL	INT	2003	2183	189	209	3559	12133	1000	0.04817
5	CLIMB	ZERO	2183	3000	209	209	5200	12063	3455	0.15711
6	ACCEL	ZERO	3000	3338	209	250	7833	11865	1000	0.04108
7	CLIMB	ZERO	3338	5500	250	250	15675	11758	3729	0.13790
8	CLIMB	ZERO	5500	7500	250	250	15660	12052	3564	0.12771
9	CLIMB	ZERO	7500	10000	250	250	21317	12386	3389	0.11728

SEG. NO.	TYPE	FLAP	THRUST TYPE	VALUE
1	TKOFF	20	MAX TKOFF	
2	CLIMB	20	MAX TKOFF	
3	ACCEL	20	MAX TKOFF	
4	ACCEL	INT	MAX CLIMB	
5	CLIMB	ZERO	MAX CLIMB	
6	ACCEL	ZERO	MAX CLIMB	
7	CLIMB	ZERO	MAX CLIMB	
8	CLIMB	ZERO	MAX CLIMB	
9	CLIMB	ZERO	MAX CLIMB	

TAKEOFF PROFILE DATA (HEADWIND = 8 KT) 06-19-1991 14:22:23

AIRCRAFT ID NUMBER	AIRCRAFT AND ENGINE NAMES	AIRCRAFT CATEGORY
011	B720B/JT3D-3	JCOM

	DISTANCE FROM BRAKE RELEASE (FT)	HEIGHT (FT)	SPEED (KTAS)	THRUST (LB)
POINT 1	0	0	16	16521
POINT 2	4006	0	159	14303
POINT 3	9110	1000	162	14445
POINT 4	17199	2003	195	14134
POINT 5	18199	2053	201	12255
POINT 6	20758	2183	216	12010
POINT 7	25959	3000	218	12117
POINT 8	33792	3338	263	11612
POINT 9	49467	5500	271	11909
POINT 10	65127	7500	280	12198
POINT 11	86444	10000	291	0

THRUST FOR LEVEL FLIGHT	GRADIENT AT TAKE-OFF POWER	TAKE-OFF THRUST	GRADIENT AT CLIMB POWER
4783	0.195954	14373	0.143132

CLIMB THRUST	GRADIENT AT FAR36 CUTBACK	THRUST FOR ENGINE OUT LEVEL FLIGHT	VZF (KCAS)
12717	0.040401	6378	209

NUMBER OF ENGINES	RATED THRUST LB	AIRCRAFT WEIGHT (LB)	STAGE NUMBER
4	18000	200000	4

TAKEOFF SEGMENTS DATA (HEADWIND = 8 KT) 06-19-1991 14:23:20

AIRCRAFT ID NUMBER	AIRCRAFT AND ENGINE NAMES	AIRCRAFT CATEGORY
011	B720B/JT3D-3	JCOM

AIRCRAFT WEIGHT	STAGE NUMBER	NUMBER OF ENGINES
210000	5	4

SEG. NO.	TYPE	FLAP	START ALT (FT)	END ALT (FT)	CALIBRATED START SPEED (KCAS)	CALIBRATED END SPEED (KCAS)	SEG. LNGTH (FT)	THRST (LB)	R/C (FPM)	GRAD
1	TKOFF	20	0	0	16	163	4436	14242	0	0.00000
2	CLIMB	20	0	1000	163	163	5542	14312	3007	0.18044
3	ACCEL	20	1000	2037	163	193	9070	14230	2005	0.10925
4	ACCEL	INT	2037	2240	193	213	4084	12085	1000	0.04719
5	CLIMB	ZERO	2240	3000	213	213	5217	12013	3269	0.14577
6	ACCEL	ZERO	3000	3336	213	250	7851	11838	1000	0.04073
7	CLIMB	ZERO	3336	5500	250	250	16823	11758	3477	0.12862
8	CLIMB	ZERO	5500	7500	250	250	16815	12052	3319	0.11894
9	CLIMB	ZERO	7500	10000	250	250	22929	12386	3150	0.10903

SEG. NO.	TYPE	FLAP	THRUST TYPE	VALUE
1	TKOFF	20	MAX TKOFF	
2	CLIMB	20	MAX TKOFF	
3	ACCEL	20	MAX TKOFF	
4	ACCEL	INT	MAX CLIMB	
5	CLIMB	ZERO	MAX CLIMB	
6	ACCEL	ZERO	MAX CLIMB	
7	CLIMB	ZERO	MAX CLIMB	
8	CLIMB	ZERO	MAX CLIMB	
9	CLIMB	ZERO	MAX CLIMB	

TAKEOFF PROFILE DATA (HEADWIND = 8 KT) 06-19-1991 14:23:24

AIRCRAFT ID NUMBER	AIRCRAFT AND ENGINE NAMES	AIRCRAFT CATEGORY
011	B720B/JT3D-3	JCOM

	DISTANCE FROM BRAKE RELEASE (FT)	HEIGHT (FT)	SPEED (KTAS)	THRUST (LB)
POINT 1	0	0	16	16521
POINT 2	4436	0	163	14242
POINT 3	9978	1000	166	14384
POINT 4	19048	2037	199	14077
POINT 5	20048	2086	204	12206
POINT 6	23132	2240	220	11964
POINT 7	28349	3000	223	12063
POINT 8	36200	3336	263	11612
POINT 9	53023	5500	271	11909
POINT 10	69838	7500	280	12198
POINT 11	92767	10000	291	0

THRUST FOR LEVEL FLIGHT	GRADIENT AT TAKE-OFF POWER	TAKE-OFF THRUST	GRADIENT AT CLIMB POWER
5022	0.180435	14312	0.130694

CLIMB THRUST	GRADIENT AT FAR36 CUTBACK	THRUST FOR ENGINE OUT LEVEL FLIGHT	VZF (KCAS)
12664	0.040401	6696	213

NUMBER OF ENGINES	RATED THRUST LB	AIRCRAFT WEIGHT (LB)	STAGE NUMBER
4	18000	210000	5

APPROACH PROFILE DATA (HEADWIND = 8 KT) 02-15-1992 12:23:46

AIRCRAFT ID NUMBER	AIRCRAFT AND ENGINE NAMES	AIRCRAFT CATEGORY
011	B720B/JT3D-3	JCOM

	DISTANCE FROM RW THRESHOLD (FT)	HEIGHT (FT)	SPEED (KTAS)	THRUST (LB)	FLAPS
POINT 1	113533	6000	273	263	ZERO
POINT 2	56289	3000	167	1806	20
POINT 3	27668	1500	152	1964	U 30
POINT 4	18127	1000	141	2395	D 30
POINT 5	-954	0	139	2310	D 30
POINT 6	-1373	0	132	10800	
POINT 7	-5145	0	30	1800	

NUMBER OF ENGINES	RATED THRUST LB	AIRCRAFT WEIGHT (LB)	GLIDE SLOPE
4	18000	157500	3.00

TAKEOFF SEGMENTS DATA (HEADWIND = 8 KT) 06-20-1991 14:17:12

AIRCRAFT ID NUMBER	AIRCRAFT AND ENGINE NAMES	AIRCRAFT CATEGORY
012	DC8-50/JT3D-3B	JCOM

AIRCRAFT WEIGHT	STAGE NUMBER	NUMBER OF ENGINES
185000	1	4

SEG. NO.	TYPE	FLAP	START ALT (FT)	END ALT (FT)	CALIBRATED START SPEED (KCAS)	CALIBRATED END SPEED (KCAS)	SEG. LNGTH (FT)	THRST (LB)	R/C (FPM)	GRAD
1	TKOFF	15	0	0	16	139	3000	14850	0	0.00000
2	CLIMB	15	0	1000	139	139	4291	14840	3308	0.23303
3	ACCEL	15	1000	1304	139	149	1945	14797	2205	0.15027
4	ACCEL	INT	1304	1544	149	169	2259	14703	1654	0.10110
5	ACCEL	INT	1544	1673	169	189	2279	13199	1000	0.05395
6	CLIMB	ZERO	1673	3000	189	189	6362	13128	4133	0.20861
7	ACCEL	ZERO	3000	3387	189	250	8569	12938	1000	0.04293
8	CLIMB	ZERO	3387	5500	250	250	12496	12742	4574	0.16910
9	CLIMB	ZERO	5500	7500	250	250	13224	12702	4221	0.15124
10	CLIMB	ZERO	7500	10000	250	250	18765	12660	3850	0.13323

SEG. NO.	TYPE	FLAP	THRUST TYPE	VALUE
1	TKOFF	15	MAX TKOFF	
2	CLIMB	15	MAX TKOFF	
3	ACCEL	15	MAX TKOFF	
4	ACCEL	INT	MAX TKOFF	
5	ACCEL	INT	MAX CLIMB	
6	CLIMB	ZERO	MAX CLIMB	
7	ACCEL	ZERO	MAX CLIMB	
8	CLIMB	ZERO	MAX CLIMB	
9	CLIMB	ZERO	MAX CLIMB	
10	CLIMB	ZERO	MAX CLIMB	

TAKEOFF PROFILE DATA (HEADWIND = 8 KT) 06-20-1991 14:17:15

AIRCRAFT ID NUMBER	AIRCRAFT AND ENGINE NAMES	AIRCRAFT CATEGORY
012	DC8-50/JT3D-3B	JCOM

	DISTANCE FROM BRAKE RELEASE (FT)	HEIGHT (FT)	SPEED (KTAS)	THRUST (LB)
POINT 1	0	0	16	15576
POINT 2	3000	0	139	14850
POINT 3	7291	1000	141	14829
POINT 4	9236	1304	152	14765
POINT 5	11496	1544	173	14642
POINT 6	12496	1600	182	13257
POINT 7	13774	1673	194	13141
POINT 8	20137	3000	198	13115
POINT 9	28706	3387	263	12762
POINT 10	41202	5500	271	12721
POINT 11	54426	7500	280	12683
POINT 12	73191	10000	291	0

THRUST FOR LEVEL FLIGHT	GRADIENT AT TAKE-OFF POWER	TAKE-OFF THRUST	GRADIENT AT CLIMB POWER
4351	0.233034	14840	0.178782

CLIMB THRUST	GRADIENT AT FAR36 CUTBACK	THRUST FOR ENGINE OUT LEVEL FLIGHT	VZF (KCAS)
13407	0.040401	5802	189

NUMBER OF ENGINES	RATED THRUST LB	AIRCRAFT WEIGHT (LB)	STAGE NUMBER
4	18000	185000	1

TAKEOFF SEGMENTS DATA (HEADWIND = 8 KT) 06-20-1991 14:18:41

AIRCRAFT ID NUMBER	AIRCRAFT AND ENGINE NAMES	AIRCRAFT CATEGORY
012	DC8-50/JT3D-3B	JCOM

AIRCRAFT WEIGHT	STAGE NUMBER	NUMBER OF ENGINES
195000	2	4

SEG. NO.	TYPE	FLAP	START ALT (FT)	END ALT (FT)	CALIBRATED START SPEED (KCAS)	CALIBRATED END SPEED (KCAS)	SEG. LNGTH (FT)	THRST (LB)	R/C (FPM)	GRAD
1	TKOFF	15	0	0	16	143	3338	14828	0	0.00000
2	CLIMB	15	0	1000	143	143	4651	14818	3133	0.21499
3	ACCEL	15	1000	1320	143	153	2219	14774	2089	0.13840
4	ACCEL	INT	1320	1563	153	173	2486	14679	1567	0.09334
5	ACCEL	INT	1563	1706	173	193	2580	13176	1000	0.05275
6	CLIMB	ZERO	1706	3000	193	193	6680	13105	3919	0.19365
7	ACCEL	ZERO	3000	3396	193	250	8857	12927	1000	0.04254
8	CLIMB	ZERO	3396	5500	250	250	13382	12741	4252	0.15720
9	CLIMB	ZERO	5500	7500	250	250	14247	12702	3918	0.14038
10	CLIMB	ZERO	7500	10000	250	250	20265	12660	3565	0.12337

SEG. NO.	TYPE	FLAP	THRUST TYPE	VALUE
1	TKOFF	15	MAX TKOFF	
2	CLIMB	15	MAX TKOFF	
3	ACCEL	15	MAX TKOFF	
4	ACCEL	INT	MAX TKOFF	
5	ACCEL	INT	MAX CLIMB	
6	CLIMB	ZERO	MAX CLIMB	
7	ACCEL	ZERO	MAX CLIMB	
8	CLIMB	ZERO	MAX CLIMB	
9	CLIMB	ZERO	MAX CLIMB	
10	CLIMB	ZERO	MAX CLIMB	

TAKEOFF PROFILE DATA (HEADWIND = 8 KT) 06-20-1991 14:18:44

AIRCRAFT ID NUMBER	AIRCRAFT AND ENGINE NAMES	AIRCRAFT CATEGORY
012	DC8-50/JT3D-3B	JCOM

	DISTANCE FROM BRAKE RELEASE (FT)	HEIGHT (FT)	SPEED (KTAS)	THRUST (LB)
POINT 1	0	0	16	15576
POINT 2	3338	0	143	14828
POINT 3	7989	1000	145	14807
POINT 4	10207	1320	156	14741
POINT 5	12694	1563	177	14618
POINT 6	13694	1619	185	13234
POINT 7	15274	1706	198	13118
POINT 8	21954	3000	202	13092
POINT 9	30811	3396	263	12762
POINT 10	44193	5500	271	12721
POINT 11	58440	7500	280	12683
POINT 12	78705	10000	291	0

THRUST FOR LEVEL FLIGHT	GRADIENT AT TAKE-OFF POWER	TAKE-OFF THRUST	GRADIENT AT CLIMB POWER
4587	0.214989	14818	0.164050

CLIMB THRUST	GRADIENT AT FAR36 CUTBACK	THRUST FOR ENGINE OUT LEVEL FLIGHT	VZF (KCAS)
13386	0.040401	6116	193

NUMBER OF ENGINES	RATED THRUST LB	AIRCRAFT WEIGHT (LB)	STAGE NUMBER
4	18000	195000	2

TAKEOFF SEGMENTS DATA (HEADWIND = 8 KT) 06-20-1991 14:20:31

AIRCRAFT ID NUMBER	AIRCRAFT AND ENGINE NAMES	AIRCRAFT CATEGORY
012	DC8-50/JT3D-3B	JCOM

AIRCRAFT WEIGHT	STAGE NUMBER	NUMBER OF ENGINES
210000	3	4

SEG. NO.	TYPE	FLAP	START ALT (FT)	END ALT (FT)	CALIBRATED START SPEED (KCAS)	CALIBRATED END SPEED (KCAS)	SEG. LNGTH (FT)	THRST (LB)	R/C (FPM)	GRAD
1	TKOFF	15	0	0	16	148	3879	14796	0	0.00000
2	CLIMB	15	0	1000	148	148	5223	14786	2895	0.19147
3	ACCEL	15	1000	1319	148	158	2477	14743	1930	0.12329
4	ACCEL	INT	1319	1568	158	178	2839	14650	1448	0.08361
5	ACCEL	INT	1568	1734	178	198	3083	13147	1000	0.05133
6	CLIMB	ZERO	1734	3000	198	198	7262	13076	3619	0.17428
7	ACCEL	ZERO	3000	3414	198	250	9359	12913	1000	0.04206
8	CLIMB	ZERO	3414	5500	250	250	14736	12741	3830	0.14156
9	CLIMB	ZERO	5500	7500	250	250	15859	12702	3519	0.12611
10	CLIMB	ZERO	7500	10000	250	250	22648	12660	3190	0.11039

SEG. NO.	TYPE	FLAP	THRUST TYPE	VALUE
1	TKOFF	15	MAX TKOFF	
2	CLIMB	15	MAX TKOFF	
3	ACCEL	15	MAX TKOFF	
4	ACCEL	INT	MAX TKOFF	
5	ACCEL	INT	MAX CLIMB	
6	CLIMB	ZERO	MAX CLIMB	
7	ACCEL	ZERO	MAX CLIMB	
8	CLIMB	ZERO	MAX CLIMB	
9	CLIMB	ZERO	MAX CLIMB	
10	CLIMB	ZERO	MAX CLIMB	

TAKEOFF PROFILE DATA (HEADWIND = 8 KT) 06-20-1991 14:20:34

AIRCRAFT ID NUMBER	AIRCRAFT AND ENGINE NAMES	AIRCRAFT CATEGORY
012	DC8-50/JT3D-3B	JCOM

	DISTANCE FROM BRAKE RELEASE (FT)	HEIGHT (FT)	SPEED (KTAS)	THRUST (LB)
POINT 1	0	0	16	15576
POINT 2	3879	0	148	14796
POINT 3	9102	1000	150	14776
POINT 4	11579	1319	161	14711
POINT 5	14417	1568	182	14588
POINT 6	15417	1622	189	13205
POINT 7	17500	1734	203	13089
POINT 8	24763	3000	207	13064
POINT 9	34122	3414	263	12762
POINT 10	48858	5500	271	12721
POINT 11	64717	7500	280	12683
POINT 12	87365	10000	291	0

THRUST FOR LEVEL FLIGHT	GRADIENT AT TAKE-OFF POWER	TAKE-OFF THRUST	GRADIENT AT CLIMB POWER
4940	0.191465	14786	0.144757

CLIMB THRUST	GRADIENT AT FAR36 CUTBACK	THRUST FOR ENGINE OUT LEVEL FLIGHT	VZF (KCAS)
13355	0.040401	6586	198

NUMBER OF ENGINES	RATED THRUST LB	AIRCRAFT WEIGHT (LB)	STAGE NUMBER
4	18000	210000	3

TAKEOFF SEGMENTS DATA (HEADWIND = 8 KT) 06-20-1991 14:22:01

AIRCRAFT ID NUMBER	AIRCRAFT AND ENGINE NAMES	AIRCRAFT CATEGORY
012	DC8-50/JT3D-3B	JCOM

AIRCRAFT WEIGHT	STAGE NUMBER	NUMBER OF ENGINES
230000	4	4

SEG. NO.	TYPE	FLAP	START ALT (FT)	END ALT (FT)	CALIBRATED START SPEED (KCAS)	CALIBRATED END SPEED (KCAS)	SEG. LNGTH (FT)	THRST (LB)	R/C (FPM)	GRAD
1	TKOFF	15	0	0	16	155	4666	14756	0	0.00000
2	CLIMB	15	0	1000	155	155	6051	14745	2615	0.16527
3	ACCEL	15	1000	1338	155	165	3039	14702	1743	0.10629
4	ACCEL	INT	1338	1594	165	185	3369	14608	1308	0.07242
5	ACCEL	INT	1594	1798	185	205	3921	13106	1000	0.04945
6	CLIMB	ZERO	1798	3000	205	205	8393	13036	3081	0.14322
7	ACCEL	ZERO	3000	3428	205	250	9832	12893	1000	0.04141
8	CLIMB	ZERO	3428	5500	250	250	16704	12741	3356	0.12403
9	CLIMB	ZERO	5500	7500	250	250	18171	12702	3072	0.11006
10	CLIMB	ZERO	7500	10000	250	250	26102	12660	2767	0.09578

SEG. NO.	TYPE	FLAP	THRUST TYPE	VALUE
1	TKOFF	15	MAX TKOFF	
2	CLIMB	15	MAX TKOFF	
3	ACCEL	15	MAX TKOFF	
4	ACCEL	INT	MAX TKOFF	
5	ACCEL	INT	MAX CLIMB	
6	CLIMB	ZERO	MAX CLIMB	
7	ACCEL	ZERO	MAX CLIMB	
8	CLIMB	ZERO	MAX CLIMB	
9	CLIMB	ZERO	MAX CLIMB	
10	CLIMB	ZERO	MAX CLIMB	

TAKEOFF PROFILE DATA (HEADWIND = 8 KT) 06-20-1991 14:22:04

AIRCRAFT ID NUMBER	AIRCRAFT AND ENGINE NAMES	AIRCRAFT CATEGORY
012	DC8-50/JT3D-3B	JCOM

	DISTANCE FROM BRAKE RELEASE (FT)	HEIGHT (FT)	SPEED (KTAS)	THRUST (LB)
POINT 1	0	0	16	15576
POINT 2	4666	0	155	14756
POINT 3	10717	1000	157	14735
POINT 4	13755	1338	168	14670
POINT 5	17124	1594	189	14546
POINT 6	18124	1646	195	13165
POINT 7	21045	1798	210	13048
POINT 8	29438	3000	214	13024
POINT 9	39269	3428	263	12761
POINT 10	55973	5500	271	12721
POINT 11	74144	7500	280	12683
POINT 12	100246	10000	291	0

THRUST FOR LEVEL FLIGHT	GRADIENT AT TAKE-OFF POWER	TAKE-OFF THRUST	GRADIENT AT CLIMB POWER
5410	0.165267	14745	0.123163

CLIMB THRUST	GRADIENT AT FAR36 CUTBACK	THRUST FOR ENGINE OUT LEVEL FLIGHT	VZF (KCAS)
13316	0.040401	7213	205

NUMBER OF ENGINES	RATED THRUST LB	AIRCRAFT WEIGHT (LB)	STAGE NUMBER
4	18000	230000	4

TAKEOFF SEGMENTS DATA (HEADWIND = 8 KT) 06-20-1991 14:23:37

AIRCRAFT ID NUMBER	AIRCRAFT AND ENGINE NAMES	AIRCRAFT CATEGORY
012	DC8-50/JT3D-3B	JCOM

AIRCRAFT WEIGHT	STAGE NUMBER	NUMBER OF ENGINES
255000	5	4

SEG. NO.	TYPE	FLAP	START ALT (FT)	END ALT (FT)	CALIBRATED START SPEED (KCAS)	CALIBRATED END SPEED (KCAS)	SEG. LNGTH (FT)	THRST (LB)	R/C (FPM)	GRAD
1	TKOFF	15	0	0	16	163	5754	14707	0	0.00000
2	CLIMB	15	0	1000	163	163	7211	14697	2311	0.13868
3	ACCEL	15	1000	1353	163	173	3772	14654	1541	0.08929
4	ACCEL	INT	1353	1617	173	193	4113	14560	1156	0.06114
5	ACCEL	INT	1617	1882	193	213	5307	13060	1000	0.04746
6	CLIMB	ZERO	1882	3000	213	213	9131	12990	2738	0.12242
7	ACCEL	ZERO	3000	3440	213	250	10280	12870	1000	0.04069
8	CLIMB	ZERO	3440	5500	250	250	19411	12741	2872	0.10612
9	CLIMB	ZERO	5500	7500	250	250	21360	12702	2613	0.09363
10	CLIMB	ZERO	7500	10000	250	250	30938	12660	2335	0.08081

SEG. NO.	TYPE	FLAP	THRUST TYPE	VALUE
1	TKOFF	15	MAX TKOFF	
2	CLIMB	15	MAX TKOFF	
3	ACCEL	15	MAX TKOFF	
4	ACCEL	INT	MAX TKOFF	
5	ACCEL	INT	MAX CLIMB	
6	CLIMB	ZERO	MAX CLIMB	
7	ACCEL	ZERO	MAX CLIMB	
8	CLIMB	ZERO	MAX CLIMB	
9	CLIMB	ZERO	MAX CLIMB	
10	CLIMB	ZERO	MAX CLIMB	

TAKEOFF PROFILE DATA (HEADWIND = 8 KT) 06-20-1991 14:23:41

AIRCRAFT ID NUMBER	AIRCRAFT AND ENGINE NAMES	AIRCRAFT CATEGORY
012	DC8-50/JT3D-3B	JCOM

	DISTANCE FROM BRAKE RELEASE (FT)	HEIGHT (FT)	SPEED (KTAS)	THRUST (LB)
POINT 1	0	0	16	15576
POINT 2	5754	0	163	14707
POINT 3	12965	1000	166	14686
POINT 4	16738	1353	176	14622
POINT 5	20850	1617	198	14499
POINT 6	21850	1667	202	13119
POINT 7	26157	1882	219	13001
POINT 8	35288	3000	223	12979
POINT 9	45568	3440	263	12761
POINT 10	64980	5500	271	12721
POINT 11	86340	7500	280	12683
POINT 12	117278	10000	291	0

THRUST FOR LEVEL FLIGHT	GRADIENT AT TAKE-OFF POWER	TAKE-OFF THRUST	GRADIENT AT CLIMB POWER
5998	0.138677	14697	0.101144

CLIMB THRUST	GRADIENT AT FAR36 CUTBACK	THRUST FOR ENGINE OUT LEVEL FLIGHT	VZF (KCAS)
13270	0.040401	7997	213

NUMBER OF ENGINES	RATED THRUST LB	AIRCRAFT WEIGHT (LB)	STAGE NUMBER
4	18000	255000	5

TAKEOFF SEGMENTS DATA (HEADWIND = 8 KT) 06-20-1991 14:25:00

AIRCRAFT ID NUMBER	AIRCRAFT AND ENGINE NAMES	AIRCRAFT CATEGORY
012	DC8-50/JT3D-3B	JCOM

AIRCRAFT WEIGHT	STAGE NUMBER	NUMBER OF ENGINES
275000	6	4

SEG. NO.	TYPE	FLAP	START ALT (FT)	END ALT (FT)	CALIBRATED START SPEED (KCAS)	CALIBRATED END SPEED (KCAS)	SEG. LNGTH (FT)	THRST (LB)	R/C (FPM)	GRAD
1	TKOFF	15	0	0	16	170	6709	14670	0	0.00000
2	CLIMB	15	0	1000	170	170	8259	14660	2095	0.12107
3	ACCEL	15	1000	1399	170	180	4883	14615	1397	0.07777
4	ACCEL	INT	1399	1668	180	200	4814	14518	1048	0.05332
5	ACCEL	INT	1668	2000	200	220	6880	13019	1000	0.04581
6	CLIMB	ZERO	2000	3000	220	220	9227	12949	2506	0.10840
7	ACCEL	ZERO	3000	3427	220	250	10129	12850	1000	0.04009
8	CLIMB	ZERO	3427	5500	250	250	21989	12741	2550	0.09427
9	CLIMB	ZERO	5500	7500	250	250	24189	12702	2307	0.08268
10	CLIMB	ZERO	7500	10000	250	250	35301	12660	2046	0.07082

SEG. NO.	TYPE	FLAP	THRUST TYPE	VALUE
1	TKOFF	15	MAX TKOFF	
2	CLIMB	15	MAX TKOFF	
3	ACCEL	15	MAX TKOFF	
4	ACCEL	INT	MAX TKOFF	
5	ACCEL	INT	MAX CLIMB	
6	CLIMB	ZERO	MAX CLIMB	
7	ACCEL	ZERO	MAX CLIMB	
8	CLIMB	ZERO	MAX CLIMB	
9	CLIMB	ZERO	MAX CLIMB	
10	CLIMB	ZERO	MAX CLIMB	

TAKEOFF PROFILE DATA (HEADWIND = 8 KT) 06-20-1991 14:25:03

AIRCRAFT ID NUMBER	AIRCRAFT AND ENGINE NAMES	AIRCRAFT CATEGORY
012	DC8-50/JT3D-3B	JCOM

	DISTANCE FROM BRAKE RELEASE (FT)	HEIGHT (FT)	SPEED (KTAS)	THRUST (LB)
POINT 1	0	0	16	15576
POINT 2	6709	0	170	14670
POINT 3	14969	1000	172	14649
POINT 4	19852	1399	184	14580
POINT 5	24666	1668	205	14456
POINT 6	25666	1717	208	13079
POINT 7	31546	2000	227	12959
POINT 8	40773	3000	230	12939
POINT 9	50902	3427	263	12761
POINT 10	72892	5500	271	12721
POINT 11	97081	7500	280	12683
POINT 12	132382	10000	291	0

THRUST FOR LEVEL FLIGHT	GRADIENT AT TAKE-OFF POWER	TAKE-OFF THRUST	GRADIENT AT CLIMB POWER
6468	0.121074	14660	0.086515

CLIMB THRUST	GRADIENT AT FAR36 CUTBACK	THRUST FOR ENGINE OUT LEVEL FLIGHT	VZF (KCAS)
13234	0.040401	8625	220

NUMBER OF ENGINES	RATED THRUST LB	AIRCRAFT WEIGHT (LB)	STAGE NUMBER
4	18000	275000	6

APPROACH PROFILE DATA (HEADWIND = 8 KT) 02-15-1992 13:20:59

AIRCRAFT ID NUMBER	AIRCRAFT AND ENGINE NAMES	AIRCRAFT CATEGORY
012	DC8-50/JT3D-3B	JCOM

	DISTANCE FROM RW THRESHOLD (FT)	HEIGHT (FT)	SPEED (KTAS)	THRUST (LB)	FLAPS
POINT 1	113533	6000	273	520	ZERO
POINT 2	56289	3000	173	1421	INT
POINT 3	27668	1500	156	4513	D 35
POINT 4	18127	1000	148	5517	D 50
POINT 5	-954	0	146	5321	D 50
POINT 6	-1345	0	138	10800	
POINT 7	-4860	0	30	1800	

NUMBER OF ENGINES	RATED THRUST LB	AIRCRAFT WEIGHT (LB)	GLIDE SLOPE
4	18000	216000	3.00

TAKEOFF SEGMENTS DATA (HEADWIND = 8 KT) 06-20-1991 14:32:35

AIRCRAFT ID NUMBER	AIRCRAFT AND ENGINE NAMES	AIRCRAFT CATEGORY
013	DC8-60/JT3D-7	JCOM

AIRCRAFT WEIGHT	STAGE NUMBER	NUMBER OF ENGINES
220000	1	4

SEG. NO.	TYPE	FLAP	START ALT (FT)	END ALT (FT)	CALIBRATED START SPEED (KCAS)	CALIBRATED END SPEED (KCAS)	SEG. LNGTH (FT)	THRST (LB)	R/C (FPM)	GRAD
1	TKOFF	12	0	0	16	150	3705	15999	0	0.00000
2	CLIMB	12	0	1000	150	150	4969	15990	3082	0.20123
3	ACCEL	12	1000	1328	150	160	2419	15954	2055	0.12972
4	ACCEL	INT	1328	1575	160	180	2687	15875	1541	0.08795
5	ACCEL	INT	1575	1728	180	200	2863	14142	1000	0.05079
6	CLIMB	ZERO	1728	3000	200	200	6830	14052	3905	0.18620
7	ACCEL	ZERO	3000	3363	200	250	8250	13850	1000	0.04189
8	CLIMB	ZERO	3363	5500	250	250	14113	13638	4094	0.15139
9	CLIMB	ZERO	5500	7500	250	250	14790	13588	3774	0.13523
10	CLIMB	ZERO	7500	10000	250	250	21007	13534	3439	0.11901

SEG. NO.	TYPE	FLAP	THRUST TYPE	VALUE
1	TKOFF	12	MAX TKOFF	
2	CLIMB	12	MAX TKOFF	
3	ACCEL	12	MAX TKOFF	
4	ACCEL	INT	MAX TKOFF	
5	ACCEL	INT	MAX CLIMB	
6	CLIMB	ZERO	MAX CLIMB	
7	ACCEL	ZERO	MAX CLIMB	
8	CLIMB	ZERO	MAX CLIMB	
9	CLIMB	ZERO	MAX CLIMB	
10	CLIMB	ZERO	MAX CLIMB	

TAKEOFF PROFILE DATA (HEADWIND = 8 KT) 06-20-1991 14:32:37

AIRCRAFT ID NUMBER	AIRCRAFT AND ENGINE NAMES	AIRCRAFT CATEGORY
013	DC8-60/JT3D-7	JCOM

	DISTANCE FROM BRAKE RELEASE (FT)	HEIGHT (FT)	SPEED (KTAS)	THRUST (LB)
POINT 1	0	0	16	16661
POINT 2	3705	0	150	15999
POINT 3	8675	1000	152	15981
POINT 4	11093	1328	163	15927
POINT 5	13780	1575	184	15824
POINT 6	14780	1629	192	14216
POINT 7	16643	1728	205	14068
POINT 8	23473	3000	209	14036
POINT 9	31723	3363	263	13665
POINT 10	45836	5500	271	13612
POINT 11	60626	7500	280	13564
POINT 12	81633	10000	291	0

THRUST FOR LEVEL FLIGHT	GRADIENT AT TAKE-OFF POWER	TAKE-OFF THRUST	GRADIENT AT CLIMB POWER
5163	0.201228	15990	0.152205

CLIMB THRUST	GRADIENT AT FAR36 CUTBACK	THRUST FOR ENGINE OUT LEVEL FLIGHT	VZF (KCAS)
14409	0.040401	6884	200

NUMBER OF ENGINES	RATED THRUST LB	AIRCRAFT WEIGHT (LB)	STAGE NUMBER
4	19000	220000	1

TAKEOFF SEGMENTS DATA (HEADWIND = 8 KT) 06-20-1991 14:34:07

AIRCRAFT ID NUMBER	AIRCRAFT AND ENGINE NAMES	AIRCRAFT CATEGORY
013	DC8-60/JT3D-7	JCOM

AIRCRAFT WEIGHT	STAGE NUMBER	NUMBER OF ENGINES
230000	2	4

SEG. NO.	TYPE	FLAP	START ALT (FT)	END ALT (FT)	CALIBRATED START SPEED (KCAS)	CALIBRATED END SPEED (KCAS)	SEG. LNGTH (FT)	THRST (LB)	R/C (FPM)	GRAD
1	TKOFF	12	0	0	16	154	4054	15982	0	0.00000
2	CLIMB	12	0	1000	154	154	5329	15973	2939	0.18767
3	ACCEL	12	1000	1355	154	164	2816	15936	1959	0.12062
4	ACCEL	INT	1355	1606	164	184	2922	15855	1470	0.08189
5	ACCEL	INT	1606	1774	184	204	3209	14112	1000	0.04971
6	CLIMB	ZERO	1774	3000	204	204	7476	14022	3511	0.16404
7	ACCEL	ZERO	3000	3362	204	250	8290	13836	1000	0.04153
8	CLIMB	ZERO	3362	5500	250	250	15013	13638	3851	0.14241
9	CLIMB	ZERO	5500	7500	250	250	15749	13588	3544	0.12699
10	CLIMB	ZERO	7500	10000	250	250	22416	13534	3222	0.11153

SEG. NO.	TYPE	FLAP	THRUST TYPE	VALUE
1	TKOFF	12	MAX TKOFF	
2	CLIMB	12	MAX TKOFF	
3	ACCEL	12	MAX TKOFF	
4	ACCEL	INT	MAX TKOFF	
5	ACCEL	INT	MAX CLIMB	
6	CLIMB	ZERO	MAX CLIMB	
7	ACCEL	ZERO	MAX CLIMB	
8	CLIMB	ZERO	MAX CLIMB	
9	CLIMB	ZERO	MAX CLIMB	
10	CLIMB	ZERO	MAX CLIMB	

TAKEOFF PROFILE DATA (HEADWIND = 8 KT) 06-20-1991 14:34:10

AIRCRAFT ID NUMBER	AIRCRAFT AND ENGINE NAMES	AIRCRAFT CATEGORY
013	DC8-60/JT3D-7	JCOM

	DISTANCE FROM BRAKE RELEASE (FT)	HEIGHT (FT)	SPEED (KTAS)	THRUST (LB)
POINT 1	0	0	16	16661
POINT 2	4054	0	154	15982
POINT 3	9382	1000	156	15965
POINT 4	12198	1355	167	15907
POINT 5	15120	1606	188	15804
POINT 6	16120	1658	195	14186
POINT 7	18329	1774	209	14038
POINT 8	25805	3000	213	14007
POINT 9	34095	3362	263	13665
POINT 10	49108	5500	271	13612
POINT 11	64856	7500	280	13564
POINT 12	87273	10000	291	0

THRUST FOR LEVEL FLIGHT	GRADIENT AT TAKE-OFF POWER	TAKE-OFF THRUST	GRADIENT AT CLIMB POWER
5398	0.187668	15973	0.140957

CLIMB THRUST	GRADIENT AT FAR36 CUTBACK	THRUST FOR ENGINE OUT LEVEL FLIGHT	VZF (KCAS)
14384	0.040401	7197	204

NUMBER OF ENGINES	RATED THRUST LB	AIRCRAFT WEIGHT (LB)	STAGE NUMBER
4	19000	230000	2

TAKEOFF SEGMENTS DATA (HEADWIND = 8 KT) 06-20-1991 14:36:56

AIRCRAFT ID NUMBER	AIRCRAFT AND ENGINE NAMES	AIRCRAFT CATEGORY
013	DC8-60/JT3D-7	JCOM

AIRCRAFT WEIGHT	STAGE NUMBER	NUMBER OF ENGINES
245000	3	4

SEG. NO.	TYPE	FLAP	START ALT (FT)	END ALT (FT)	CALIBRATED START SPEED (KCAS)	CALIBRATED END SPEED (KCAS)	SEG. LNGTH (FT)	THRST (LB)	R/C (FPM)	GRAD
1	TKOFF	12	0	0	16	158	4607	15958	0	0.00000
2	CLIMB	12	0	1000	158	158	5897	15949	2741	0.16957
3	ACCEL	12	1000	1336	158	168	2937	15914	1827	0.10930
4	ACCEL	INT	1336	1592	168	188	3263	15836	1371	0.07464
5	ACCEL	INT	1592	1784	188	208	3752	14083	1000	0.04870
6	CLIMB	ZERO	1784	3000	208	208	8104	13993	3275	0.15008
7	ACCEL	ZERO	3000	3372	208	250	8599	13821	1000	0.04116
8	CLIMB	ZERO	3372	5500	250	250	16328	13638	3524	0.13032
9	CLIMB	ZERO	5500	7500	250	250	17249	13588	3236	0.11595
10	CLIMB	ZERO	7500	10000	250	250	24636	13534	2932	0.10148

SEG. NO.	TYPE	FLAP	THRUST TYPE	VALUE
1	TKOFF	12	MAX TKOFF	
2	CLIMB	12	MAX TKOFF	
3	ACCEL	12	MAX TKOFF	
4	ACCEL	INT	MAX TKOFF	
5	ACCEL	INT	MAX CLIMB	
6	CLIMB	ZERO	MAX CLIMB	
7	ACCEL	ZERO	MAX CLIMB	
8	CLIMB	ZERO	MAX CLIMB	
9	CLIMB	ZERO	MAX CLIMB	
10	CLIMB	ZERO	MAX CLIMB	

TAKEOFF PROFILE DATA (HEADWIND = 8 KT) 06-20-1991 14:36:59

AIRCRAFT ID NUMBER	AIRCRAFT AND ENGINE NAMES	AIRCRAFT CATEGORY
013	DC8-60/JT3D-7	JCOM

	DISTANCE FROM BRAKE RELEASE (FT)	HEIGHT (FT)	SPEED (KTAS)	THRUST (LB)
POINT 1	0	0	16	16661
POINT 2	4607	0	158	15958
POINT 3	10504	1000	161	15940
POINT 4	13441	1336	171	15887
POINT 5	16704	1592	192	15784
POINT 6	17704	1643	198	14158
POINT 7	20457	1784	214	14008
POINT 8	28561	3000	217	13978
POINT 9	37160	3372	263	13665
POINT 10	53487	5500	271	13612
POINT 11	70737	7500	280	13564
POINT 12	95373	10000	291	0

THRUST FOR LEVEL FLIGHT	GRADIENT AT TAKE-OFF POWER	TAKE-OFF THRUST	GRADIENT AT CLIMB POWER
5750	0.169569	15949	0.125903

CLIMB THRUST	GRADIENT AT FAR36 CUTBACK	THRUST FOR ENGINE OUT LEVEL FLIGHT	VZF (KCAS)
14349	0.040401	7666	208

NUMBER OF ENGINES	RATED THRUST LB	AIRCRAFT WEIGHT (LB)	STAGE NUMBER
4	19000	245000	3

TAKEOFF SEGMENTS DATA (HEADWIND = 8 KT) 06-20-1991 14:38:26

AIRCRAFT ID NUMBER	AIRCRAFT AND ENGINE NAMES	AIRCRAFT CATEGORY
013	DC8-60/JT3D-7	JCOM

AIRCRAFT WEIGHT	STAGE NUMBER	NUMBER OF ENGINES
265000	4	4

SEG. NO.	TYPE	FLAP	START ALT (FT)	END ALT (FT)	CALIBRATED START SPEED (KCAS)	CALIBRATED END SPEED (KCAS)	SEG. LNGTH (FT)	THRST (LB)	R/C (FPM)	GRAD
1	TKOFF	12	0	0	16	165	5400	15927	0	0.00000
2	CLIMB	12	0	1000	165	165	6719	15918	2502	0.14884
3	ACCEL	12	1000	1376	165	175	3745	15881	1668	0.09571
4	ACCEL	INT	1376	1636	175	195	3794	15800	1251	0.06545
5	ACCEL	INT	1636	1868	195	215	4694	14031	1000	0.04699
6	CLIMB	ZERO	1868	3000	215	215	8470	13941	3016	0.13362
7	ACCEL	ZERO	3000	3362	215	250	8498	13796	1000	0.04055
8	CLIMB	ZERO	3362	5500	250	250	18353	13638	3150	0.11647
9	CLIMB	ZERO	5500	7500	250	250	19377	13588	2881	0.10321
10	CLIMB	ZERO	7500	10000	250	250	27813	13534	2597	0.08989

SEG. NO.	TYPE	FLAP	THRUST TYPE	VALUE
1	TKOFF	12	MAX TKOFF	
2	CLIMB	12	MAX TKOFF	
3	ACCEL	12	MAX TKOFF	
4	ACCEL	INT	MAX TKOFF	
5	ACCEL	INT	MAX CLIMB	
6	CLIMB	ZERO	MAX CLIMB	
7	ACCEL	ZERO	MAX CLIMB	
8	CLIMB	ZERO	MAX CLIMB	
9	CLIMB	ZERO	MAX CLIMB	
10	CLIMB	ZERO	MAX CLIMB	

TAKEOFF PROFILE DATA (HEADWIND = 8 KT) 06-20-1991 14:38:29

AIRCRAFT ID NUMBER	AIRCRAFT AND ENGINE NAMES	AIRCRAFT CATEGORY
013	DC8-60/JT3D-7	JCOM

	DISTANCE FROM BRAKE RELEASE (FT)	HEIGHT (FT)	SPEED (KTAS)	THRUST (LB)
POINT 1	0	0	16	16661
POINT 2	5400	0	165	15927
POINT 3	12119	1000	167	15909
POINT 4	15864	1376	179	15852
POINT 5	19658	1636	200	15749
POINT 6	20658	1686	204	14106
POINT 7	24352	1868	221	13956
POINT 8	32821	3000	225	13927
POINT 9	41320	3362	263	13665
POINT 10	59673	5500	271	13612
POINT 11	79050	7500	280	13564
POINT 12	106863	10000	291	0

THRUST FOR LEVEL FLIGHT	GRADIENT AT TAKE-OFF POWER	TAKE-OFF THRUST	GRADIENT AT CLIMB POWER
6219	0.148841	15918	0.108609

CLIMB THRUST	GRADIENT AT FAR36 CUTBACK	THRUST FOR ENGINE OUT LEVEL FLIGHT	VZF (KCAS)
14303	0.040401	8292	215

NUMBER OF ENGINES	RATED THRUST LB	AIRCRAFT WEIGHT (LB)	STAGE NUMBER
4	19000	265000	4

TAKEOFF SEGMENTS DATA (HEADWIND = 8 KT) 06-20-1991 14:39:46

AIRCRAFT ID NUMBER	AIRCRAFT AND ENGINE NAMES	AIRCRAFT CATEGORY
013	DC8-60/JT3D-7	JCOM

AIRCRAFT WEIGHT	STAGE NUMBER	NUMBER OF ENGINES
290000	5	4

SEG. NO.	TYPE	FLAP	START ALT (FT)	END ALT (FT)	CALIBRATED START SPEED (KCAS)	CALIBRATED END SPEED (KCAS)	SEG. LNGTH (FT)	THRST (LB)	R/C (FPM)	GRAD
1	TKOFF	12	0	0	16	172	6483	15889	0	0.00000
2	CLIMB	12	0	1000	172	172	7863	15880	2236	0.12718
3	ACCEL	12	1000	1376	172	182	4370	15844	1491	0.08193
4	ACCEL	INT	1376	1642	182	202	4496	15766	1118	0.05632
5	ACCEL	INT	1642	1937	202	222	6183	13979	1000	0.04541
6	CLIMB	ZERO	1937	3000	222	222	9115	13890	2719	0.11662
7	ACCEL	ZERO	3000	3352	222	250	8389	13771	1000	0.03995
8	CLIMB	ZERO	3352	5500	250	250	21072	13638	2756	0.10191
9	CLIMB	ZERO	5500	7500	250	250	22266	13588	2507	0.08982
10	CLIMB	ZERO	7500	10000	250	250	32181	13534	2245	0.07768

SEG. NO.	TYPE	FLAP	THRUST TYPE	VALUE
1	TKOFF	12	MAX TKOFF	
2	CLIMB	12	MAX TKOFF	
3	ACCEL	12	MAX TKOFF	
4	ACCEL	INT	MAX TKOFF	
5	ACCEL	INT	MAX CLIMB	
6	CLIMB	ZERO	MAX CLIMB	
7	ACCEL	ZERO	MAX CLIMB	
8	CLIMB	ZERO	MAX CLIMB	
9	CLIMB	ZERO	MAX CLIMB	
10	CLIMB	ZERO	MAX CLIMB	

TAKEOFF PROFILE DATA (HEADWIND = 8 KT) 06-20-1991 14:39:49

AIRCRAFT ID NUMBER	AIRCRAFT AND ENGINE NAMES	AIRCRAFT CATEGORY
013	DC8-60/JT3D-7	JCOM

	DISTANCE FROM BRAKE RELEASE (FT)	HEIGHT (FT)	SPEED (KTAS)	THRUST (LB)
POINT 1	0	0	16	16661
POINT 2	6483	0	172	15889
POINT 3	14346	1000	175	15872
POINT 4	18716	1376	186	15817
POINT 5	23212	1642	207	15714
POINT 6	24212	1689	210	14055
POINT 7	29395	1937	228	13903
POINT 8	38510	3000	232	13876
POINT 9	46899	3352	263	13665
POINT 10	67971	5500	271	13612
POINT 11	90237	7500	280	13564
POINT 12	122418	10000	291	0

THRUST FOR LEVEL FLIGHT	GRADIENT AT TAKE-OFF POWER	TAKE-OFF THRUST	GRADIENT AT CLIMB POWER
6806	0.127176	15880	0.090480

CLIMB THRUST	GRADIENT AT FAR36 CUTBACK	THRUST FOR ENGINE OUT LEVEL FLIGHT	VZF (KCAS)
14248	0.040401	9075	222

NUMBER OF ENGINES	RATED THRUST LB	AIRCRAFT WEIGHT (LB)	STAGE NUMBER
4	19000	290000	5

TAKEOFF SEGMENTS DATA (HEADWIND = 8 KT) 06-20-1991 14:41:02

AIRCRAFT ID NUMBER	AIRCRAFT AND ENGINE NAMES	AIRCRAFT CATEGORY
013	DC8-60/JT3D-7	JCOM

AIRCRAFT WEIGHT	STAGE NUMBER	NUMBER OF ENGINES
305000	6	4

SEG. NO.	TYPE	FLAP	START ALT (FT)	END ALT (FT)	CALIBRATED START SPEED (KCAS)	CALIBRATED END SPEED (KCAS)	SEG. LNGTH (FT)	THRST (LB)	R/C (FPM)	GRAD
1	TKOFF	12	0	0	16	177	7180	15867	0	0.00000
2	CLIMB	12	0	1000	177	177	8623	15859	2091	0.11596
3	ACCEL	12	1000	1413	177	187	5275	15821	1394	0.07455
4	ACCEL	INT	1413	1682	187	207	4992	15740	1046	0.05132
5	ACCEL	INT	1682	2027	207	227	7406	13941	1000	0.04432
6	CLIMB	ZERO	2027	3000	227	227	9041	13852	2567	0.10759
7	ACCEL	ZERO	3000	3326	227	250	7829	13753	1000	0.03954
8	CLIMB	ZERO	3326	5500	250	250	23031	13639	2552	0.09441
9	CLIMB	ZERO	5500	7500	250	250	24137	13588	2312	0.08286
10	CLIMB	ZERO	7500	10000	250	250	35044	13534	2061	0.07134

SEG. NO.	TYPE	FLAP	THRUST TYPE	VALUE
1	TKOFF	12	MAX TKOFF	
2	CLIMB	12	MAX TKOFF	
3	ACCEL	12	MAX TKOFF	
4	ACCEL	INT	MAX TKOFF	
5	ACCEL	INT	MAX CLIMB	
6	CLIMB	ZERO	MAX CLIMB	
7	ACCEL	ZERO	MAX CLIMB	
8	CLIMB	ZERO	MAX CLIMB	
9	CLIMB	ZERO	MAX CLIMB	
10	CLIMB	ZERO	MAX CLIMB	

TAKEOFF PROFILE DATA (HEADWIND = 8 KT) 06-20-1991 14:41:07

AIRCRAFT ID NUMBER	AIRCRAFT AND ENGINE NAMES	AIRCRAFT CATEGORY
013	DC8-60/JT3D-7	JCOM

	DISTANCE FROM BRAKE RELEASE (FT)	HEIGHT (FT)	SPEED (KTAS)	THRUST (LB)
POINT 1	0	0	16	16661
POINT 2	7180	0	177	15867
POINT 3	15804	1000	179	15850
POINT 4	21079	1413	191	15792
POINT 5	26071	1682	212	15689
POINT 6	27071	1729	215	14018
POINT 7	33477	2027	234	13865
POINT 8	42518	3000	237	13840
POINT 9	50347	3326	263	13666
POINT 10	73378	5500	271	13612
POINT 11	97515	7500	280	13564
POINT 12	132560	10000	291	0

THRUST FOR LEVEL FLIGHT	GRADIENT AT TAKE-OFF POWER	TAKE-OFF THRUST	GRADIENT AT CLIMB POWER
7158	0.115963	15859	0.081079

CLIMB THRUST	GRADIENT AT FAR36 CUTBACK	THRUST FOR ENGINE OUT LEVEL FLIGHT	VZF (KCAS)
14216	0.040401	9544	227

NUMBER OF ENGINES	RATED THRUST LB	AIRCRAFT WEIGHT (LB)	STAGE NUMBER
4	19000	305000	6

TAKEOFF SEGMENTS DATA (HEADWIND = 8 KT) 06-20-1991 14:44:15

AIRCRAFT ID NUMBER	AIRCRAFT AND ENGINE NAMES	AIRCRAFT CATEGORY
013	DC8-60/JT3D-7	JCOM

AIRCRAFT WEIGHT	STAGE NUMBER	NUMBER OF ENGINES
325000	7	4

SEG. NO.	TYPE	FLAP	START ALT (FT)	END ALT (FT)	CALIBRATED START SPEED (KCAS)	CALIBRATED END SPEED (KCAS)	SEG. LNGTH (FT)	THRST (LB)	R/C (FPM)	GRAD
1	TKOFF	12	0	0	16	182	8167	15839	0	0.00000
2	CLIMB	12	0	1000	182	182	9738	15830	1912	0.10269
3	ACCEL	12	1000	1405	182	192	5817	15795	1275	0.06621
4	ACCEL	INT	1405	1676	192	212	5647	15716	956	0.04573
5	ACCEL	INT	1676	2022	212	232	8443	13905	900	0.03898
6	CLIMB	ZERO	2022	3000	232	232	10042	13816	2374	0.09736
7	ACCEL	ZERO	3000	3250	232	250	6732	13736	900	0.03523
8	CLIMB	ZERO	3250	5500	250	250	26286	13640	2313	0.08561
9	CLIMB	ZERO	5500	7500	250	250	26812	13588	2082	0.07459
10	CLIMB	ZERO	7500	10000	250	250	39186	13534	1843	0.06380

SEG. NO.	TYPE	FLAP	THRUST TYPE	VALUE
1	TKOFF	12	MAX TKOFF	
2	CLIMB	12	MAX TKOFF	
3	ACCEL	12	MAX TKOFF	
4	ACCEL	INT	MAX TKOFF	
5	ACCEL	INT	MAX CLIMB	
6	CLIMB	ZERO	MAX CLIMB	
7	ACCEL	ZERO	MAX CLIMB	
8	CLIMB	ZERO	MAX CLIMB	
9	CLIMB	ZERO	MAX CLIMB	
10	CLIMB	ZERO	MAX CLIMB	

TAKEOFF PROFILE DATA (HEADWIND = 8 KT) 06-20-1991 14:44:19

AIRCRAFT ID NUMBER	AIRCRAFT AND ENGINE NAMES	AIRCRAFT CATEGORY
013	DC8-60/JT3D-7	JCOM

	DISTANCE FROM BRAKE RELEASE (FT)	HEIGHT (FT)	SPEED (KTAS)	THRUST (LB)
POINT 1	0	0	16	16661
POINT 2	8167	0	182	15839
POINT 3	17906	1000	185	15822
POINT 4	23723	1405	196	15768
POINT 5	29369	1676	217	15664
POINT 6	30369	1717	220	13982
POINT 7	37812	2022	239	13829
POINT 8	47855	3000	243	13804
POINT 9	54587	3250	262	13668
POINT 10	80873	5500	271	13612
POINT 11	107685	7500	280	13564
POINT 12	146871	10000	291	0

THRUST FOR LEVEL FLIGHT	GRADIENT AT TAKE-OFF POWER	TAKE-OFF THRUST	GRADIENT AT CLIMB POWER
7627	0.102689	15830	0.069936

CLIMB THRUST	GRADIENT AT FAR36 CUTBACK	THRUST FOR ENGINE OUT LEVEL FLIGHT	VZF (KCAS)
14175	0.040401	10170	232

NUMBER OF ENGINES	RATED THRUST LB	AIRCRAFT WEIGHT (LB)	STAGE NUMBER
4	19000	325000	7

APPROACH PROFILE DATA (HEADWIND = 8 KT) 02-15-1992 13:22:04

AIRCRAFT ID NUMBER	AIRCRAFT AND ENGINE NAMES	AIRCRAFT CATEGORY
013	DC8-60/JT3D-7	JCOM

	DISTANCE FROM RW THRESHOLD (FT)	HEIGHT (FT)	SPEED (KTAS)	THRUST (LB)	FLAPS
POINT 1	113533	6000	273	184	ZERO
POINT 2	56289	3000	169	1442	INT
POINT 3	27668	1500	159	4374	D 35
POINT 4	18127	1000	154	5139	D 50
POINT 5	-954	0	151	4956	D 50
POINT 6	-1337	0	144	11400	
POINT 7	-4779	0	30	1900	

NUMBER OF ENGINES	RATED THRUST LB	AIRCRAFT WEIGHT (LB)	GLIDE SLOPE
4	19000	247500	3.00

TAKEOFF SEGMENTS DATA (HEADWIND = 8 KT) 06-20-1991 15:35:33

AIRCRAFT ID NUMBER	AIRCRAFT AND ENGINE NAMES	AIRCRAFT CATEGORY
014	DC8-70/CFM56-2C-5	JCOM

AIRCRAFT WEIGHT	STAGE NUMBER	NUMBER OF ENGINES
220000	1	4

SEG. NO.	TYPE	FLAP	START ALT (FT)	END ALT (FT)	CALIBRATED START SPEED (KCAS)	CALIBRATED END SPEED (KCAS)	SEG. LNGTH (FT)	THRST (LB)	R/C (FPM)	GRAD
1	TKOFF	12	0	0	16	150	3357	17658	0	0.00000
2	CLIMB	12	0	1000	150	150	4245	17766	3608	0.23559
3	ACCEL	12	1000	1326	150	160	2056	17808	2405	0.15229
4	ACCEL	INT	1326	1584	160	180	2395	17564	1804	0.10311
5	ACCEL	INT	1584	1708	180	200	2316	15754	1000	0.05079
6	CLIMB	ZERO	1708	3000	200	200	5979	15716	4531	0.21607
7	ACCEL	ZERO	3000	3302	200	250	6842	15427	1000	0.04192
8	CLIMB	ZERO	3302	5500	250	250	12495	15228	4756	0.17595
9	CLIMB	ZERO	5500	7500	250	250	12185	15647	4581	0.16414
10	CLIMB	ZERO	7500	10000	250	250	16467	16095	4387	0.15182

SEG. NO.	TYPE	FLAP	THRUST TYPE	VALUE
1	TKOFF	12	MAX TKOFF	
2	CLIMB	12	MAX TKOFF	
3	ACCEL	12	MAX TKOFF	
4	ACCEL	INT	MAX TKOFF	
5	ACCEL	INT	MAX CLIMB	
6	CLIMB	ZERO	MAX CLIMB	
7	ACCEL	ZERO	MAX CLIMB	
8	CLIMB	ZERO	MAX CLIMB	
9	CLIMB	ZERO	MAX CLIMB	
10	CLIMB	ZERO	MAX CLIMB	

TAKEOFF PROFILE DATA (HEADWIND = 8 KT) 06-20-1991 15:35:36

AIRCRAFT ID NUMBER	AIRCRAFT AND ENGINE NAMES	AIRCRAFT CATEGORY
014	DC8-70/CFM56-2C-5	JCOM

	DISTANCE FROM BRAKE RELEASE (FT)	HEIGHT (FT)	SPEED (KTAS)	THRUST (LB)
POINT 1	0	0	16	20428
POINT 2	3357	0	150	17658
POINT 3	7602	1000	152	17875
POINT 4	9658	1326	163	17742
POINT 5	12053	1584	184	17385
POINT 6	13053	1638	193	15921
POINT 7	14369	1708	205	15587
POINT 8	20348	3000	209	15844
POINT 9	27190	3302	263	15009
POINT 10	39685	5500	271	15447
POINT 11	51870	7500	280	15846
POINT 12	68337	10000	291	0

THRUST FOR LEVEL FLIGHT	GRADIENT AT TAKE-OFF POWER	TAKE-OFF THRUST	GRADIENT AT CLIMB POWER
5163	0.235587	17766	0.191252

CLIMB THRUST	GRADIENT AT FAR36 CUTBACK	THRUST FOR ENGINE OUT LEVEL FLIGHT	VZF (KCAS)
16638	0.040401	6884	200

NUMBER OF ENGINES	RATED THRUST LB	AIRCRAFT WEIGHT (LB)	STAGE NUMBER
4	22000	220000	1

TAKEOFF SEGMENTS DATA (HEADWIND = 8 KT) 06-20-1991 15:37:04

AIRCRAFT ID NUMBER	AIRCRAFT AND ENGINE NAMES	AIRCRAFT CATEGORY
014	DC8-70/CFM56-2C-5	JCOM

AIRCRAFT WEIGHT	STAGE NUMBER	NUMBER OF ENGINES
230000	2	4

SEG. NO.	TYPE	FLAP	START ALT (FT)	END ALT (FT)	CALIBRATED START SPEED (KCAS)	CALIBRATED END SPEED (KCAS)	SEG. LNGTH (FT)	THRST (LB)	R/C (FPM)	GRAD
1	TKOFF	12	0	0	16	154	3684	17588	0	0.00000
2	CLIMB	12	0	1000	154	154	4561	17697	3434	0.21926
3	ACCEL	12	1000	1352	154	164	2391	17735	2289	0.14132
4	ACCEL	INT	1352	1614	164	184	2609	17487	1717	0.09577
5	ACCEL	INT	1614	1749	184	204	2583	15689	1000	0.04972
6	CLIMB	ZERO	1749	3000	204	204	6586	15648	4064	0.18995
7	ACCEL	ZERO	3000	3299	204	250	6850	15391	1000	0.04155
8	CLIMB	ZERO	3299	5500	250	250	13274	15228	4481	0.16579
9	CLIMB	ZERO	5500	7500	250	250	12941	15647	4313	0.15454
10	CLIMB	ZERO	7500	10000	250	250	17506	16095	4126	0.14281

SEG. NO.	TYPE	FLAP	THRUST TYPE	VALUE
1	TKOFF	12	MAX TKOFF	
2	CLIMB	12	MAX TKOFF	
3	ACCEL	12	MAX TKOFF	
4	ACCEL	INT	MAX TKOFF	
5	ACCEL	INT	MAX CLIMB	
6	CLIMB	ZERO	MAX CLIMB	
7	ACCEL	ZERO	MAX CLIMB	
8	CLIMB	ZERO	MAX CLIMB	
9	CLIMB	ZERO	MAX CLIMB	
10	CLIMB	ZERO	MAX CLIMB	

TAKEOFF PROFILE DATA (HEADWIND = 8 KT) 06-20-1991 15:37:07

AIRCRAFT ID NUMBER	AIRCRAFT AND ENGINE NAMES	AIRCRAFT CATEGORY
014	DC8-70/CFM56-2C-5	JCOM

	DISTANCE FROM BRAKE RELEASE (FT)	HEIGHT (FT)	SPEED (KTAS)	THRUST (LB)
POINT 1	0	0	16	20428
POINT 2	3684	0	154	17588
POINT 3	8244	1000	156	17805
POINT 4	10636	1352	167	17665
POINT 5	13244	1614	188	17309
POINT 6	14244	1666	197	15855
POINT 7	15827	1749	209	15523
POINT 8	22413	3000	213	15773
POINT 9	29263	3299	263	15009
POINT 10	42537	5500	271	15447
POINT 11	55478	7500	280	15846
POINT 12	72984	10000	291	0

THRUST FOR LEVEL FLIGHT	GRADIENT AT TAKE-OFF POWER	TAKE-OFF THRUST	GRADIENT AT CLIMB POWER
5398	0.219264	17697	0.177480

CLIMB THRUST	GRADIENT AT FAR36 CUTBACK	THRUST FOR ENGINE OUT LEVEL FLIGHT	VZF (KCAS)
16578	0.040401	7197	204

NUMBER OF ENGINES	RATED THRUST LB	AIRCRAFT WEIGHT (LB)	STAGE NUMBER
4	22000	230000	2

TAKEOFF SEGMENTS DATA (HEADWIND = 8 KT) 06-20-1991 15:38:28

AIRCRAFT ID NUMBER	AIRCRAFT AND ENGINE NAMES	AIRCRAFT CATEGORY
014	DC8-70/CFM56-2C-5	JCOM

AIRCRAFT WEIGHT	STAGE NUMBER	NUMBER OF ENGINES
245000	3	4

SEG. NO.	TYPE	FLAP	START ALT (FT)	END ALT (FT)	CALIBRATED START SPEED (KCAS)	CALIBRATED END SPEED (KCAS)	SEG. LNGTH (FT)	THRST (LB)	R/C (FPM)	GRAD
1	TKOFF	12	0	0	16	158	4204	17486	0	0.00000
2	CLIMB	12	0	1000	158	158	5061	17595	3194	0.19758
3	ACCEL	12	1000	1331	158	168	2484	17641	2129	0.12764
4	ACCEL	INT	1331	1597	168	188	2915	17400	1597	0.08703
5	ACCEL	INT	1597	1750	188	208	2992	15616	1000	0.04872
6	CLIMB	ZERO	1750	3000	208	208	7197	15577	3788	0.17363
7	ACCEL	ZERO	3000	3305	208	250	7052	15356	1000	0.04118
8	CLIMB	ZERO	3305	5500	250	250	14422	15229	4113	0.15217
9	CLIMB	ZERO	5500	7500	250	250	14116	15647	3954	0.14169
10	CLIMB	ZERO	7500	10000	250	250	19123	16095	3777	0.13073

SEG. NO.	TYPE	FLAP	THRUST TYPE	VALUE
1	TKOFF	12	MAX TKOFF	
2	CLIMB	12	MAX TKOFF	
3	ACCEL	12	MAX TKOFF	
4	ACCEL	INT	MAX TKOFF	
5	ACCEL	INT	MAX CLIMB	
6	CLIMB	ZERO	MAX CLIMB	
7	ACCEL	ZERO	MAX CLIMB	
8	CLIMB	ZERO	MAX CLIMB	
9	CLIMB	ZERO	MAX CLIMB	
10	CLIMB	ZERO	MAX CLIMB	

TAKEOFF PROFILE DATA (HEADWIND = 8 KT) 06-20-1991 15:38:31

AIRCRAFT ID NUMBER	AIRCRAFT AND ENGINE NAMES	AIRCRAFT CATEGORY
014	DC8-70/CFM56-2C-5	JCOM

	DISTANCE FROM BRAKE RELEASE (FT)	HEIGHT (FT)	SPEED (KTAS)	THRUST (LB)
POINT 1	0	0	16	20428
POINT 2	4204	0	158	17486
POINT 3	9265	1000	161	17704
POINT 4	11749	1331	171	17578
POINT 5	14664	1597	192	17223
POINT 6	15664	1648	199	15780
POINT 7	17657	1750	213	15452
POINT 8	24854	3000	217	15701
POINT 9	31906	3305	263	15010
POINT 10	46328	5500	271	15447
POINT 11	60443	7500	280	15846
POINT 12	79567	10000	291	0

THRUST FOR LEVEL FLIGHT	GRADIENT AT TAKE-OFF POWER	TAKE-OFF THRUST	GRADIENT AT CLIMB POWER
5750	0.197584	17595	0.159120

CLIMB THRUST	GRADIENT AT FAR36 CUTBACK	THRUST FOR ENGINE OUT LEVEL FLIGHT	VZF (KCAS)
16489	0.040401	7666	208

NUMBER OF ENGINES	RATED THRUST LB	AIRCRAFT WEIGHT (LB)	STAGE NUMBER
4	22000	245000	3

TAKEOFF SEGMENTS DATA (HEADWIND = 8 KT) 06-20-1991 15:39:35

AIRCRAFT ID NUMBER	AIRCRAFT AND ENGINE NAMES	AIRCRAFT CATEGORY
014	DC8-70/CFM56-2C-5	JCOM

AIRCRAFT WEIGHT	STAGE NUMBER	NUMBER OF ENGINES
265000	4	4

SEG. NO.	TYPE	FLAP	START ALT (FT)	END ALT (FT)	CALIBRATED START SPEED (KCAS)	CALIBRATED END SPEED (KCAS)	SEG. LNGTH (FT)	THRST (LB)	R/C (FPM)	GRAD
1	TKOFF	12	0	0	16	165	4956	17355	0	0.00000
2	CLIMB	12	0	1000	165	165	5784	17464	2907	0.17290
3	ACCEL	12	1000	1368	165	175	3157	17507	1938	0.11138
4	ACCEL	INT	1368	1640	175	195	3403	17264	1454	0.07613
5	ACCEL	INT	1640	1822	195	215	3690	15502	1000	0.04701
6	CLIMB	ZERO	1822	3000	215	215	7632	15458	3482	0.15433
7	ACCEL	ZERO	3000	3295	215	250	6903	15292	1000	0.04057
8	CLIMB	ZERO	3295	5500	250	250	16151	15228	3691	0.13655
9	CLIMB	ZERO	5500	7500	250	250	15761	15647	3541	0.12689
10	CLIMB	ZERO	7500	10000	250	250	21401	16095	3375	0.11682

SEG. NO.	TYPE	FLAP	THRUST TYPE	VALUE
1	TKOFF	12	MAX TKOFF	
2	CLIMB	12	MAX TKOFF	
3	ACCEL	12	MAX TKOFF	
4	ACCEL	INT	MAX TKOFF	
5	ACCEL	INT	MAX CLIMB	
6	CLIMB	ZERO	MAX CLIMB	
7	ACCEL	ZERO	MAX CLIMB	
8	CLIMB	ZERO	MAX CLIMB	
9	CLIMB	ZERO	MAX CLIMB	
10	CLIMB	ZERO	MAX CLIMB	

TAKEOFF PROFILE DATA (HEADWIND = 8 KT) 06-20-1991 15:39:38

AIRCRAFT ID NUMBER	AIRCRAFT AND ENGINE NAMES	AIRCRAFT CATEGORY
014	DC8-70/CFM56-2C-5	JCOM

	DISTANCE FROM BRAKE RELEASE (FT)	HEIGHT (FT)	SPEED (KTAS)	THRUST (LB)
POINT 1	0	0	16	20428
POINT 2	4956	0	165	17355
POINT 3	10739	1000	167	17573
POINT 4	13896	1368	179	17441
POINT 5	17299	1640	200	17087
POINT 6	18299	1689	205	15663
POINT 7	20989	1822	221	15341
POINT 8	28621	3000	225	15576
POINT 9	35524	3295	262	15008
POINT 10	51675	5500	271	15447
POINT 11	67437	7500	280	15846
POINT 12	88837	10000	291	0

THRUST FOR LEVEL FLIGHT	GRADIENT AT TAKE-OFF POWER	TAKE-OFF THRUST	GRADIENT AT CLIMB POWER
6219	0.172899	17464	0.138125

CLIMB THRUST	GRADIENT AT FAR36 CUTBACK	THRUST FOR ENGINE OUT LEVEL FLIGHT	VZF (KCAS)
16376	0.040401	8292	215

NUMBER OF ENGINES	RATED THRUST LB	AIRCRAFT WEIGHT (LB)	STAGE NUMBER
4	22000	265000	4

TAKEOFF SEGMENTS DATA (HEADWIND = 8 KT) 06-20-1991 15:40:46

AIRCRAFT ID NUMBER	AIRCRAFT AND ENGINE NAMES	AIRCRAFT CATEGORY
014	DC8-70/CFM56-2C-5	JCOM

AIRCRAFT WEIGHT	STAGE NUMBER	NUMBER OF ENGINES
290000	5	4

SEG. NO.	TYPE	FLAP	START ALT (FT)	END ALT (FT)	CALIBRATED START SPEED (KCAS)	CALIBRATED END SPEED (KCAS)	SEG. LNGTH (FT)	THRST (LB)	R/C (FPM)	GRAD
1	TKOFF	12	0	0	16	172	5989	17199	0	0.00000
2	CLIMB	12	0	1000	172	172	6791	17307	2590	0.14725
3	ACCEL	12	1000	1365	172	182	3665	17356	1727	0.09501
4	ACCEL	INT	1365	1642	182	202	4045	17120	1295	0.06528
5	ACCEL	INT	1642	1869	202	222	4745	15382	1000	0.04544
6	CLIMB	ZERO	1869	3000	222	222	8402	15338	3137	0.13462
7	ACCEL	ZERO	3000	3282	222	250	6710	15228	1000	0.03997
8	CLIMB	ZERO	3282	5500	250	250	18458	15226	3247	0.12016
9	CLIMB	ZERO	5500	7500	250	250	17960	15647	3108	0.11136
10	CLIMB	ZERO	7500	10000	250	250	24462	16095	2953	0.10220

SEG. NO.	TYPE	FLAP	THRUST TYPE	VALUE
1	TKOFF	12	MAX TKOFF	
2	CLIMB	12	MAX TKOFF	
3	ACCEL	12	MAX TKOFF	
4	ACCEL	INT	MAX TKOFF	
5	ACCEL	INT	MAX CLIMB	
6	CLIMB	ZERO	MAX CLIMB	
7	ACCEL	ZERO	MAX CLIMB	
8	CLIMB	ZERO	MAX CLIMB	
9	CLIMB	ZERO	MAX CLIMB	
10	CLIMB	ZERO	MAX CLIMB	

TAKEOFF PROFILE DATA (HEADWIND = 8 KT) 06-20-1991 15:40:49

AIRCRAFT ID NUMBER	AIRCRAFT AND ENGINE NAMES	AIRCRAFT CATEGORY
014	DC8-70/CFM56-2C-5	JCOM

	DISTANCE FROM BRAKE RELEASE (FT)	HEIGHT (FT)	SPEED (KTAS)	THRUST (LB)
POINT 1	0	0	16	20428
POINT 2	5989	0	172	17199
POINT 3	12780	1000	175	17416
POINT 4	16445	1365	186	17296
POINT 5	20490	1642	207	16943
POINT 6	21490	1690	211	15538
POINT 7	25235	1869	228	15225
POINT 8	33637	3000	232	15450
POINT 9	40346	3282	262	15005
POINT 10	58805	5500	271	15447
POINT 11	76765	7500	280	15846
POINT 12	101226	10000	291	0

THRUST FOR LEVEL FLIGHT	GRADIENT AT TAKE-OFF POWER	TAKE-OFF THRUST	GRADIENT AT CLIMB POWER
6806	0.147253	17307	0.116222

CLIMB THRUST	GRADIENT AT FAR36 CUTBACK	THRUST FOR ENGINE OUT LEVEL FLIGHT	VZF (KCAS)
16240	0.040401	9075	222

NUMBER OF ENGINES	RATED THRUST LB	AIRCRAFT WEIGHT (LB)	STAGE NUMBER
4	22000	290000	5

TAKEOFF SEGMENTS DATA (HEADWIND = 8 KT) 06-20-1991 15:42:29

AIRCRAFT ID NUMBER	AIRCRAFT AND ENGINE NAMES	AIRCRAFT CATEGORY
014	DC8-70/CFM56-2C-5	JCOM

AIRCRAFT WEIGHT	STAGE NUMBER	NUMBER OF ENGINES
305000	6	4

SEG. NO.	TYPE	FLAP	START ALT (FT)	END ALT (FT)	CALIBRATED START SPEED (KCAS)	CALIBRATED END SPEED (KCAS)	SEG. LNGTH (FT)	THRST (LB)	R/C (FPM)	GRAD
1	TKOFF	12	0	0	16	177	6660	17108	0	0.00000
2	CLIMB	12	0	1000	177	177	7460	17216	2417	0.13404
3	ACCEL	12	1000	1399	177	187	4407	17263	1611	0.08625
4	ACCEL	INT	1399	1679	187	207	4500	17024	1209	0.05935
5	ACCEL	INT	1679	1939	207	227	5578	15303	1000	0.04435
6	CLIMB	ZERO	1939	3000	227	227	8543	15255	2960	0.12415
7	ACCEL	ZERO	3000	3258	227	250	6203	15181	1000	0.03956
8	CLIMB	ZERO	3258	5500	250	250	20074	15224	3018	0.11168
9	CLIMB	ZERO	5500	7500	250	250	19362	15647	2883	0.10329
10	CLIMB	ZERO	7500	10000	250	250	26425	16095	2734	0.09461

SEG. NO.	TYPE	FLAP	THRUST TYPE	VALUE
1	TKOFF	12	MAX TKOFF	
2	CLIMB	12	MAX TKOFF	
3	ACCEL	12	MAX TKOFF	
4	ACCEL	INT	MAX TKOFF	
5	ACCEL	INT	MAX CLIMB	
6	CLIMB	ZERO	MAX CLIMB	
7	ACCEL	ZERO	MAX CLIMB	
8	CLIMB	ZERO	MAX CLIMB	
9	CLIMB	ZERO	MAX CLIMB	
10	CLIMB	ZERO	MAX CLIMB	

TAKEOFF PROFILE DATA (HEADWIND = 8 KT) 06-20-1991 15:42:32

AIRCRAFT ID NUMBER	AIRCRAFT AND ENGINE NAMES	AIRCRAFT CATEGORY
014	DC8-70/CFM56-2C-5	JCOM

	DISTANCE FROM BRAKE RELEASE (FT)	HEIGHT (FT)	SPEED (KTAS)	THRUST (LB)
POINT 1	0	0	16	20428
POINT 2	6660	0	177	17108
POINT 3	14120	1000	179	17325
POINT 4	18527	1399	191	17200
POINT 5	23027	1679	212	16848
POINT 6	24027	1726	216	15456
POINT 7	28605	1939	234	15149
POINT 8	37148	3000	237	15361
POINT 9	43351	3258	262	15000
POINT 10	63425	5500	271	15447
POINT 11	82787	7500	280	15846
POINT 12	109212	10000	291	0

THRUST FOR LEVEL FLIGHT	GRADIENT AT TAKE-OFF POWER	TAKE-OFF THRUST	GRADIENT AT CLIMB POWER
7158	0.134042	17216	0.104906

CLIMB THRUST	GRADIENT AT FAR36 CUTBACK	THRUST FOR ENGINE OUT LEVEL FLIGHT	VZF (KCAS)
16161	0.040401	9544	227

NUMBER OF ENGINES	RATED THRUST LB	AIRCRAFT WEIGHT (LB)	STAGE NUMBER
4	22000	305000	6

TAKEOFF SEGMENTS DATA (HEADWIND = 8 KT) 06-20-1991 15:45:22

AIRCRAFT ID NUMBER	AIRCRAFT AND ENGINE NAMES	AIRCRAFT CATEGORY
014	DC8-70/CFM56-2C-5	JCOM

AIRCRAFT WEIGHT	STAGE NUMBER	NUMBER OF ENGINES
325000	7	4

SEG. NO.	TYPE	FLAP	START ALT (FT)	END ALT (FT)	CALIBRATED START SPEED (KCAS)	CALIBRATED END SPEED (KCAS)	SEG. LNGTH (FT)	THRST (LB)	R/C (FPM)	GRAD
1	TKOFF	12	0	0	16	182	7614	16990	0	0.00000
2	CLIMB	12	0	1000	182	182	8442	17098	2205	0.11846
3	ACCEL	12	1000	1387	182	192	4831	17151	1470	0.07640
4	ACCEL	INT	1387	1671	192	212	5105	16919	1103	0.05279
5	ACCEL	INT	1671	1984	212	232	6878	15217	1000	0.04334
6	CLIMB	ZERO	1984	3000	232	232	9057	15170	2734	0.11216
7	ACCEL	ZERO	3000	3233	232	250	5668	15133	1000	0.03916
8	CLIMB	ZERO	3233	5500	250	250	22304	15221	2745	0.10162
9	CLIMB	ZERO	5500	7500	250	250	21339	15647	2616	0.09372
10	CLIMB	ZERO	7500	10000	250	250	29208	16095	2473	0.08559

SEG. NO.	TYPE	FLAP	THRUST TYPE	VALUE
1	TKOFF	12	MAX TKOFF	
2	CLIMB	12	MAX TKOFF	
3	ACCEL	12	MAX TKOFF	
4	ACCEL	INT	MAX TKOFF	
5	ACCEL	INT	MAX CLIMB	
6	CLIMB	ZERO	MAX CLIMB	
7	ACCEL	ZERO	MAX CLIMB	
8	CLIMB	ZERO	MAX CLIMB	
9	CLIMB	ZERO	MAX CLIMB	
10	CLIMB	ZERO	MAX CLIMB	

TAKEOFF PROFILE DATA (HEADWIND = 8 KT) 06-20-1991 15:45:25

AIRCRAFT ID NUMBER	AIRCRAFT AND ENGINE NAMES	AIRCRAFT CATEGORY
014	DC8-70/CFM56-2C-5	JCOM

	DISTANCE FROM BRAKE RELEASE (FT)	HEIGHT (FT)	SPEED (KTAS)	THRUST (LB)
POINT 1	0	0	16	20428
POINT 2	7614	0	182	16990
POINT 3	16056	1000	185	17207
POINT 4	20887	1387	196	17095
POINT 5	25992	1671	217	16743
POINT 6	26992	1716	220	15365
POINT 7	32870	1984	239	15069
POINT 8	41927	3000	243	15271
POINT 9	47595	3233	262	14996
POINT 10	69899	5500	271	15447
POINT 11	91238	7500	280	15846
POINT 12	120447	10000	291	0

THRUST FOR LEVEL FLIGHT	GRADIENT AT TAKE-OFF POWER	TAKE-OFF THRUST	GRADIENT AT CLIMB POWER
7627	0.118456	17098	0.091527

CLIMB THRUST	GRADIENT AT FAR36 CUTBACK	THRUST FOR ENGINE OUT LEVEL FLIGHT	VZF (KCAS)
16059	0.040401	10170	232

NUMBER OF ENGINES	RATED THRUST LB	AIRCRAFT WEIGHT (LB)	STAGE NUMBER
4	22000	325000	7

APPROACH PROFILE DATA (HEADWIND = 8 KT) 02-15-1992 13:23:40

AIRCRAFT ID NUMBER	AIRCRAFT AND ENGINE NAMES	AIRCRAFT CATEGORY
014	DC8-70/CFM56-2C-5	JCOM

	DISTANCE FROM RW THRESHOLD (FT)	HEIGHT (FT)	SPEED (KTAS)	THRUST (LB)	FLAPS
POINT 1	113533	6000	273	172	ZERO
POINT 2	56289	3000	174	1353	INT
POINT 3	27668	1500	154	4103	D 35
POINT 4	18127	1000	149	4821	D 50
POINT 5	-954	0	147	4650	D 50
POINT 6	-1444	0	139	13200	
POINT 7	-5850	0	30	2200	

NUMBER OF ENGINES	RATED THRUST LB	AIRCRAFT WEIGHT (LB)	GLIDE SLOPE
4	22000	232200	3.00

TAKEOFF SEGMENTS DATA (HEADWIND = 8 KT) 06-21-1991 15:23:38

AIRCRAFT ID NUMBER	AIRCRAFT AND ENGINE NAMES	AIRCRAFT CATEGORY
015	BAE146-200/ALF502R-5	JCOM

AIRCRAFT WEIGHT	STAGE NUMBER	NUMBER OF ENGINES
76000	1	4

SEG. NO.	TYPE	FLAP	START ALT (FT)	END ALT (FT)	CALIBRATED START SPEED (KCAS)	CALIBRATED END SPEED (KCAS)	SEG. LNGTH (FT)	THRST (LB)	R/C (FPM)	GRAD
1	TKOFF	18	0	0	16	136	2693	5189	0	0.00000
2	CLIMB	18	0	1000	136	136	7152	5214	1939	0.13982
3	ACCEL	18	1000	1513	136	171	7961	5064	970	0.06137
4	ACCEL	ZERO	1513	1772	171	201	5271	4546	900	0.04668
5	CLIMB	ZERO	1772	3000	201	201	9921	4401	2610	0.12377
6	ACCEL	ZERO	3000	3578	201	250	14640	4144	900	0.03755
7	CLIMB	ZERO	3578	5500	250	250	22788	3851	2284	0.08433
8	CLIMB	ZERO	5500	7500	250	250	30108	3694	1854	0.06643
9	CLIMB	ZERO	7500	10000	250	250	57212	3398	1263	0.04370

SEG. NO.	TYPE	FLAP	THRUST TYPE	VALUE
1	TKOFF	18	MAX TKOFF	
2	CLIMB	18	MAX TKOFF	
3	ACCEL	18	MAX TKOFF	
4	ACCEL	ZERO	MAX CLIMB	
5	CLIMB	ZERO	MAX CLIMB	
6	ACCEL	ZERO	MAX CLIMB	
7	CLIMB	ZERO	MAX CLIMB	
8	CLIMB	ZERO	MAX CLIMB	
9	CLIMB	ZERO	MAX CLIMB	

TAKEOFF PROFILE DATA (HEADWIND = 8 KT) 06-21-1991 15:23:43

AIRCRAFT ID NUMBER	AIRCRAFT AND ENGINE NAMES	AIRCRAFT CATEGORY
015	BAE146-200/ALF502R-5	JCOM

	DISTANCE FROM BRAKE RELEASE (FT)	HEIGHT (FT)	SPEED (KTAS)	THRUST (LB)
POINT 1	0	0	16	6383
POINT 2	2693	0	136	5189
POINT 3	9845	1000	138	5233
POINT 4	17806	1513	175	4896
POINT 5	18806	1562	181	4693
POINT 6	23077	1772	206	4398
POINT 7	32998	3000	210	4395
POINT 8	47638	3578	264	3893
POINT 9	70426	5500	271	3786
POINT 10	100534	7500	280	3578
POINT 11	157746	10000	291	0

THRUST FOR LEVEL FLIGHT	GRADIENT AT TAKE-OFF POWER	TAKE-OFF THRUST	GRADIENT AT CLIMB POWER
2618	0.139823	5214	0.112026

CLIMB THRUST	GRADIENT AT FAR36 CUTBACK	THRUST FOR ENGINE OUT LEVEL FLIGHT	VZF (KCAS)
5049	0.042834	3491	201

NUMBER OF ENGINES	RATED THRUST LB	AIRCRAFT WEIGHT (LB)	STAGE NUMBER
4	6970	76000	1

TAKEOFF SEGMENTS DATA (HEADWIND = 8 KT) 06-21-1991 15:25:02

AIRCRAFT ID NUMBER	AIRCRAFT AND ENGINE NAMES	AIRCRAFT CATEGORY
015	BAE146-200/ALF502R-5	JCOM

AIRCRAFT WEIGHT	STAGE NUMBER	NUMBER OF ENGINES
84000	2	4

SEG. NO.	TYPE	FLAP	START ALT (FT)	END ALT (FT)	CALIBRATED START SPEED (KCAS)	CALIBRATED END SPEED (KCAS)	SEG. LNGTH (FT)	THRST (LB)	R/C (FPM)	GRAD
1	TKOFF	18	0	0	16	143	3335	5120	0	0.00000
2	CLIMB	18	0	1000	143	143	9097	5144	1602	0.10993
3	ACCEL	18	1000	1562	143	178	11032	4995	801	0.04842
4	ACCEL	ZERO	1562	1820	178	208	6559	4477	750	0.03745
5	CLIMB	ZERO	1820	3000	208	208	11675	4332	2206	0.10108
6	ACCEL	ZERO	3000	3502	208	250	15483	4110	750	0.03083
7	CLIMB	ZERO	3502	5500	250	250	28968	3853	1867	0.06897
8	CLIMB	ZERO	5500	7500	250	250	38079	3694	1466	0.05252
9	CLIMB	ZERO	7500	10000	250	250	78134	3398	925	0.03200

SEG. NO.	TYPE	FLAP	THRUST TYPE	VALUE
1	TKOFF	18	MAX TKOFF	
2	CLIMB	18	MAX TKOFF	
3	ACCEL	18	MAX TKOFF	
4	ACCEL	ZERO	MAX CLIMB	
5	CLIMB	ZERO	MAX CLIMB	
6	ACCEL	ZERO	MAX CLIMB	
7	CLIMB	ZERO	MAX CLIMB	
8	CLIMB	ZERO	MAX CLIMB	
9	CLIMB	ZERO	MAX CLIMB	

TAKEOFF PROFILE DATA (HEADWIND = 8 KT) 06-21-1991 15:25:06

AIRCRAFT ID NUMBER	AIRCRAFT AND ENGINE NAMES	AIRCRAFT CATEGORY
015	BAE146-200/ALF502R-5	JCOM

	DISTANCE FROM BRAKE RELEASE (FT)	HEIGHT (FT)	SPEED (KTAS)	THRUST (LB)
POINT 1	0	0	16	6383
POINT 2	3335	0	143	5120
POINT 3	12431	1000	145	5163
POINT 4	23463	1562	182	4827
POINT 5	24463	1601	187	4624
POINT 6	30022	1820	214	4329
POINT 7	41697	3000	217	4325
POINT 8	57179	3502	263	3895
POINT 9	86147	5500	271	3786
POINT 10	124226	7500	280	3578
POINT 11	202360	10000	291	0

THRUST FOR LEVEL FLIGHT	GRADIENT AT TAKE-OFF POWER	TAKE-OFF THRUST	GRADIENT AT CLIMB POWER
2893	0.109929	5144	0.085249

CLIMB THRUST	GRADIENT AT FAR36 CUTBACK	THRUST FOR ENGINE OUT LEVEL FLIGHT	VZF (KCAS)
4980	0.042834	3858	208

NUMBER OF ENGINES	RATED THRUST LB	AIRCRAFT WEIGHT (LB)	STAGE NUMBER
4	6970	84000	2

TAKEOFF SEGMENTS DATA (HEADWIND = 8 KT) 06-21-1991 15:26:19

AIRCRAFT ID NUMBER	AIRCRAFT AND ENGINE NAMES	AIRCRAFT CATEGORY
015	BAE146-200/ALF502R-5	JCOM

AIRCRAFT WEIGHT	STAGE NUMBER	NUMBER OF ENGINES
91000	3	4

SEG. NO.	TYPE	FLAP	START ALT (FT)	END ALT (FT)	CALIBRATED START SPEED (KCAS)	CALIBRATED END SPEED (KCAS)	SEG. LNGTH (FT)	THRST (LB)	R/C (FPM)	GRAD
1	TKOFF	18	0	0	16	149	3959	5061	0	0.00000
2	CLIMB	18	0	1000	149	149	11314	5086	1341	0.08839
3	ACCEL	18	1000	1620	149	184	15093	4937	671	0.03908
4	ACCEL	ZERO	1620	1803	184	214	7150	4417	500	0.02420
5	CLIMB	ZERO	1803	3000	214	214	14117	4272	1905	0.08483
6	ACCEL	ZERO	3000	3300	214	250	14027	4083	500	0.02031
7	CLIMB	ZERO	3300	5500	250	250	37773	3858	1574	0.05825
8	CLIMB	ZERO	5500	7500	250	250	47190	3694	1183	0.04238
9	CLIMB	ZERO	7500	10000	250	250	106592	3398	678	0.02345

SEG. NO.	TYPE	FLAP	THRUST TYPE	VALUE
1	TKOFF	18	MAX TKOFF	
2	CLIMB	18	MAX TKOFF	
3	ACCEL	18	MAX TKOFF	
4	ACCEL	ZERO	MAX CLIMB	
5	CLIMB	ZERO	MAX CLIMB	
6	ACCEL	ZERO	MAX CLIMB	
7	CLIMB	ZERO	MAX CLIMB	
8	CLIMB	ZERO	MAX CLIMB	
9	CLIMB	ZERO	MAX CLIMB	

TAKEOFF PROFILE DATA (HEADWIND = 8 KT) 06-21-1991 15:26:22

AIRCRAFT ID NUMBER	AIRCRAFT AND ENGINE NAMES	AIRCRAFT CATEGORY
015	BAE146-200/ALF502R-5	JCOM

	DISTANCE FROM BRAKE RELEASE (FT)	HEIGHT (FT)	SPEED (KTAS)	THRUST (LB)
POINT 1	0	0	16	6383
POINT 2	3959	0	149	5061
POINT 3	15272	1000	151	5105
POINT 4	30366	1620	188	4768
POINT 5	31366	1646	193	4566
POINT 6	37515	1803	220	4269
POINT 7	51632	3000	224	4266
POINT 8	65658	3300	263	3901
POINT 9	103431	5500	271	3786
POINT 10	150622	7500	280	3578
POINT 11	257214	10000	291	0

THRUST FOR LEVEL FLIGHT	GRADIENT AT TAKE-OFF POWER	TAKE-OFF THRUST	GRADIENT AT CLIMB POWER
3135	0.088388	5086	0.065907

CLIMB THRUST	GRADIENT AT FAR36 CUTBACK	THRUST FOR ENGINE OUT LEVEL FLIGHT	VZF (KCAS)
4922	0.042834	4179	214

NUMBER OF ENGINES	RATED THRUST LB	AIRCRAFT WEIGHT (LB)	STAGE NUMBER
4	6970	91000	3

APPROACH PROFILE DATA (HEADWIND = 8 KT) 02-15-1992 15:11:55

AIRCRAFT ID NUMBER	AIRCRAFT AND ENGINE NAMES	AIRCRAFT CATEGORY
015	BAE146-200/ALF502R-5	JCOM

	DISTANCE FROM RW THRESHOLD (FT)	HEIGHT (FT)	SPEED (KTAS)	THRUST (LB)	FLAPS
POINT 1	113533	6000	273	734	ZERO
POINT 2	56289	3000	188	1659	18
POINT 3	27668	1500	170	1685	D 24
POINT 4	18127	1000	125	1934	D 33
POINT 5	-954	0	123	1866	D 33
POINT 6	-1198	0	117	4182	
POINT 7	-3393	0	30	697	

NUMBER OF ENGINES	RATED THRUST LB	AIRCRAFT WEIGHT (LB)	GLIDE SLOPE
4	6970	72900	3.00

TAKEOFF SEGMENTS DATA (HEADWIND = 8 KT) 06-18-1991 17:28:47

AIRCRAFT ID NUMBER	AIRCRAFT AND ENGINE NAMES	AIRCRAFT CATEGORY
016	B707-320B/JT3D-7QN	JCOM

AIRCRAFT WEIGHT	STAGE NUMBER	NUMBER OF ENGINES
214000	1	4

SEG. NO.	TYPE	FLAP	START ALT (FT)	END ALT (FT)	CALIBRATED START SPEED (KCAS)	CALIBRATED END SPEED (KCAS)	SEG. LNGTH (FT)	THRST (LB)	R/C (FPM)	GRAD
1	TKOFF	14	0	0	16	145	3279	15761	0	0.00000
2	CLIMB	14	0	1000	145	145	4804	15858	3070	0.20818
3	ACCEL	14	1000	1884	145	175	6782	15808	2047	0.12475
4	ACCEL	INT	1884	2045	175	195	2956	13712	1000	0.05192
5	CLIMB	ZERO	2045	3000	195	195	5253	13680	3727	0.18180
6	ACCEL	ZERO	3000	3414	195	250	9295	13433	1000	0.04235
7	CLIMB	ZERO	3414	5500	250	250	14001	13313	4031	0.14899
8	CLIMB	ZERO	5500	7500	250	250	14242	13782	3919	0.14043
9	CLIMB	ZERO	7500	10000	250	250	18981	14354	3806	0.13171

SEG. NO.	TYPE	FLAP	THRUST TYPE	VALUE
1	TKOFF	14	MAX TKOFF	
2	CLIMB	14	MAX TKOFF	
3	ACCEL	14	MAX TKOFF	
4	ACCEL	INT	MAX CLIMB	
5	CLIMB	ZERO	MAX CLIMB	
6	ACCEL	ZERO	MAX CLIMB	
7	CLIMB	ZERO	MAX CLIMB	
8	CLIMB	ZERO	MAX CLIMB	
9	CLIMB	ZERO	MAX CLIMB	

TAKEOFF PROFILE DATA (HEADWIND = 8 KT) 06-18-1991 17:28:55

AIRCRAFT ID NUMBER	AIRCRAFT AND ENGINE NAMES	AIRCRAFT CATEGORY
016	B707-320B/JT3D-7QN	JCOM

	DISTANCE FROM BRAKE RELEASE (FT)	HEIGHT (FT)	SPEED (KTAS)	THRUST (LB)
POINT 1	0	0	16	17792
POINT 2	3279	0	145	15761
POINT 3	8082	1000	147	15957
POINT 4	14865	1884	180	15660
POINT 5	15865	1938	187	13836
POINT 6	17820	2045	201	13588
POINT 7	23073	3000	204	13775
POINT 8	32368	3414	263	13092
POINT 9	46369	5500	271	13546
POINT 10	60611	7500	280	14029
POINT 11	79592	10000	291	0

THRUST FOR LEVEL FLIGHT	GRADIENT AT TAKE-OFF POWER	TAKE-OFF THRUST	GRADIENT AT CLIMB POWER
4972	0.208181	15858	0.159653

CLIMB THRUST	GRADIENT AT FAR36 CUTBACK	THRUST FOR ENGINE OUT LEVEL FLIGHT	VZF (KCAS)
14380	0.040401	6630	195

NUMBER OF ENGINES	RATED THRUST LB	AIRCRAFT WEIGHT (LB)	STAGE NUMBER
4	19000	214000	1

TAKEOFF SEGMENTS DATA (HEADWIND = 8 KT) 06-18-1991 17:30:14

AIRCRAFT ID NUMBER	AIRCRAFT AND ENGINE NAMES	AIRCRAFT CATEGORY
016	B707-320B/JT3D-7QN	JCOM

AIRCRAFT WEIGHT	STAGE NUMBER	NUMBER OF ENGINES
228000	2	4

SEG. NO.	TYPE	FLAP	START ALT (FT)	END ALT (FT)	CALIBRATED START SPEED (KCAS)	CALIBRATED END SPEED (KCAS)	SEG. LNGTH (FT)	THRST (LB)	R/C (FPM)	GRAD
1	TKOFF	14	0	0	16	149	3739	15688	0	0.00000
2	CLIMB	14	0	1000	149	149	5328	15784	2857	0.18770
3	ACCEL	14	1000	1899	149	179	7612	15742	1905	0.11287
4	ACCEL	INT	1899	2084	179	199	3478	13661	1000	0.05080
5	CLIMB	ZERO	2084	3000	199	199	5528	13628	3466	0.16563
6	ACCEL	ZERO	3000	3433	199	250	9814	13407	1000	0.04196
7	CLIMB	ZERO	3433	5500	250	250	15170	13315	3687	0.13625
8	CLIMB	ZERO	5500	7500	250	250	15590	13782	3580	0.12829
9	CLIMB	ZERO	7500	10000	250	250	20808	14354	3472	0.12015

SEG. NO.	TYPE	FLAP	THRUST TYPE	VALUE
1	TKOFF	14	MAX TKOFF	
2	CLIMB	14	MAX TKOFF	
3	ACCEL	14	MAX TKOFF	
4	ACCEL	INT	MAX CLIMB	
5	CLIMB	ZERO	MAX CLIMB	
6	ACCEL	ZERO	MAX CLIMB	
7	CLIMB	ZERO	MAX CLIMB	
8	CLIMB	ZERO	MAX CLIMB	
9	CLIMB	ZERO	MAX CLIMB	

TAKEOFF PROFILE DATA (HEADWIND = 8 KT) 06-18-1991 17:30:17

AIRCRAFT ID NUMBER	AIRCRAFT AND ENGINE NAMES	AIRCRAFT CATEGORY
016	B707-320B/JT3D-7QN	JCOM

	DISTANCE FROM BRAKE RELEASE (FT)	HEIGHT (FT)	SPEED (KTAS)	THRUST (LB)
POINT 1	0	0	16	17792
POINT 2	3739	0	149	15688
POINT 3	9067	1000	151	15884
POINT 4	16680	1899	184	15600
POINT 5	17680	1952	190	13783
POINT 6	20158	2084	205	13539
POINT 7	25685	3000	208	13719
POINT 8	35500	3433	263	13095
POINT 9	50669	5500	271	13546
POINT 10	66259	7500	280	14029
POINT 11	87067	10000	291	0

THRUST FOR LEVEL FLIGHT	GRADIENT AT TAKE-OFF POWER	TAKE-OFF THRUST	GRADIENT AT CLIMB POWER
5298	0.187700	15784	0.142821

CLIMB THRUST	GRADIENT AT FAR36 CUTBACK	THRUST FOR ENGINE OUT LEVEL FLIGHT	VZF (KCAS)
14315	0.040401	7063	199

NUMBER OF ENGINES	RATED THRUST LB	AIRCRAFT WEIGHT (LB)	STAGE NUMBER
4	19000	228000	2

TAKEOFF SEGMENTS DATA (HEADWIND = 8 KT) 06-18-1991 17:31:36

AIRCRAFT ID NUMBER	AIRCRAFT AND ENGINE NAMES	AIRCRAFT CATEGORY
016	B707-320B/JT3D-7QN	JCOM

AIRCRAFT WEIGHT	STAGE NUMBER	NUMBER OF ENGINES
240000	3	4

SEG. NO.	TYPE	FLAP	START ALT (FT)	END ALT (FT)	CALIBRATED START SPEED (KCAS)	CALIBRATED END SPEED (KCAS)	SEG. LNGTH (FT)	THRST (LB)	R/C (FPM)	GRAD
1	TKOFF	14	0	0	16	153	4160	15627	0	0.00000
2	CLIMB	14	0	1000	153	153	5806	15723	2689	0.17223
3	ACCEL	14	1000	1931	153	183	8582	15683	1793	0.10361
4	ACCEL	INT	1931	2141	183	203	4021	13614	1000	0.04971
5	CLIMB	ZERO	2141	3000	203	203	5969	13578	3072	0.14388
6	ACCEL	ZERO	3000	3442	203	250	10114	13380	1000	0.04159
7	CLIMB	ZERO	3442	5500	250	250	16257	13316	3425	0.12657
8	CLIMB	ZERO	5500	7500	250	250	16799	13782	3323	0.11905
9	CLIMB	ZERO	7500	10000	250	250	22454	14354	3217	0.11134

SEG. NO.	TYPE	FLAP	THRUST TYPE	VALUE
1	TKOFF	14	MAX TKOFF	
2	CLIMB	14	MAX TKOFF	
3	ACCEL	14	MAX TKOFF	
4	ACCEL	INT	MAX CLIMB	
5	CLIMB	ZERO	MAX CLIMB	
6	ACCEL	ZERO	MAX CLIMB	
7	CLIMB	ZERO	MAX CLIMB	
8	CLIMB	ZERO	MAX CLIMB	
9	CLIMB	ZERO	MAX CLIMB	

TAKEOFF PROFILE DATA (HEADWIND = 8 KT) 06-18-1991 17:31:40

AIRCRAFT ID NUMBER	AIRCRAFT AND ENGINE NAMES	AIRCRAFT CATEGORY
016	B707-320B/JT3D-7QN	JCOM

	DISTANCE FROM BRAKE RELEASE (FT)	HEIGHT (FT)	SPEED (KTAS)	THRUST (LB)
POINT 1	0	0	16	17792
POINT 2	4160	0	153	15627
POINT 3	9966	1000	155	15822
POINT 4	18548	1931	188	15543
POINT 5	19548	1983	194	13734
POINT 6	22569	2141	210	13494
POINT 7	28538	3000	212	13663
POINT 8	38652	3442	263	13097
POINT 9	54909	5500	271	13546
POINT 10	71708	7500	280	14029
POINT 11	94162	10000	291	0

THRUST FOR LEVEL FLIGHT	GRADIENT AT TAKE-OFF POWER	TAKE-OFF THRUST	GRADIENT AT CLIMB POWER
5576	0.172231	15723	0.130061

CLIMB THRUST	GRADIENT AT FAR36 CUTBACK	THRUST FOR ENGINE OUT LEVEL FLIGHT	VZF (KCAS)
14261	0.040401	7435	203

NUMBER OF ENGINES	RATED THRUST LB	AIRCRAFT WEIGHT (LB)	STAGE NUMBER
4	19000	240000	3

TAKEOFF SEGMENTS DATA (HEADWIND = 8 KT) 06-18-1991 17:33:06

AIRCRAFT ID NUMBER	AIRCRAFT AND ENGINE NAMES	AIRCRAFT CATEGORY
016	B707-320B/JT3D-7QN	JCOM

AIRCRAFT WEIGHT	STAGE NUMBER	NUMBER OF ENGINES
260000	4	4

SEG. NO.	TYPE	FLAP	START ALT (FT)	END ALT (FT)	CALIBRATED START SPEED (KCAS)	CALIBRATED END SPEED (KCAS)	SEG. LNGTH (FT)	THRST (LB)	R/C (FPM)	GRAD
1	TKOFF	14	0	0	16	159	4913	15528	0	0.00000
2	CLIMB	14	0	1000	159	159	6672	15624	2436	0.14989
3	ACCEL	14	1000	1975	159	189	10288	15591	1624	0.09040
4	ACCEL	INT	1975	2235	189	209	5125	13543	1000	0.04816
5	CLIMB	ZERO	2235	3000	209	209	6024	13503	2796	0.12707
6	ACCEL	ZERO	3000	3458	209	250	10614	13340	1000	0.04104
7	CLIMB	ZERO	3458	5500	250	250	18153	13318	3044	0.11248
8	CLIMB	ZERO	5500	7500	250	250	18939	13782	2947	0.10560
9	CLIMB	ZERO	7500	10000	250	250	25377	14354	2846	0.09851

SEG. NO.	TYPE	FLAP	THRUST TYPE	VALUE
1	TKOFF	14	MAX TKOFF	
2	CLIMB	14	MAX TKOFF	
3	ACCEL	14	MAX TKOFF	
4	ACCEL	INT	MAX CLIMB	
5	CLIMB	ZERO	MAX CLIMB	
6	ACCEL	ZERO	MAX CLIMB	
7	CLIMB	ZERO	MAX CLIMB	
8	CLIMB	ZERO	MAX CLIMB	
9	CLIMB	ZERO	MAX CLIMB	

TAKEOFF PROFILE DATA (HEADWIND = 8 KT) 06-18-1991 17:33:09

AIRCRAFT ID NUMBER	AIRCRAFT AND ENGINE NAMES	AIRCRAFT CATEGORY
016	B707-320B/JT3D-7QN	JCOM

	DISTANCE FROM BRAKE RELEASE (FT)	HEIGHT (FT)	SPEED (KTAS)	THRUST (LB)
POINT 1	0	0	16	17792
POINT 2	4913	0	159	15528
POINT 3	11585	1000	162	15724
POINT 4	21873	1975	195	15458
POINT 5	22873	2026	199	13658
POINT 6	26998	2235	216	13429
POINT 7	33022	3000	218	13579
POINT 8	43636	3458	263	13101
POINT 9	61789	5500	271	13546
POINT 10	80728	7500	280	14029
POINT 11	106105	10000	291	0

THRUST FOR LEVEL FLIGHT	GRADIENT AT TAKE-OFF POWER	TAKE-OFF THRUST	GRADIENT AT CLIMB POWER
6041	0.149885	15624	0.111565

CLIMB THRUST	GRADIENT AT FAR36 CUTBACK	THRUST FOR ENGINE OUT LEVEL FLIGHT	VZF (KCAS)
14174	0.040401	8055	209

NUMBER OF ENGINES	RATED THRUST LB	AIRCRAFT WEIGHT (LB)	STAGE NUMBER
4	19000	260000	4

TAKEOFF SEGMENTS DATA (HEADWIND = 8 KT) 06-18-1991 17:34:27

AIRCRAFT ID NUMBER	AIRCRAFT AND ENGINE NAMES	AIRCRAFT CATEGORY
016	B707-320B/JT3D-7QN	JCOM

AIRCRAFT WEIGHT	STAGE NUMBER	NUMBER OF ENGINES
286000	5	4

SEG. NO.	TYPE	FLAP	START ALT (FT)	END ALT (FT)	CALIBRATED START SPEED (KCAS)	CALIBRATED END SPEED (KCAS)	SEG. LNGTH (FT)	THRST (LB)	R/C (FPM)	GRAD
1	TKOFF	14	0	0	16	167	5992	15405	0	0.00000
2	CLIMB	14	0	1000	167	167	7947	15501	2145	0.12583
3	ACCEL	14	1000	2056	167	197	13237	15475	1430	0.07601
4	ACCEL	INT	2056	2405	197	217	7173	13456	1000	0.04621
5	CLIMB	ZERO	2405	3000	217	217	5476	13408	2487	0.10873
6	ACCEL	ZERO	3000	3463	217	250	10901	13285	1000	0.04034
7	CLIMB	ZERO	3463	5500	250	250	20959	13318	2631	0.09721
8	CLIMB	ZERO	5500	7500	250	250	21979	13782	2540	0.09100
9	CLIMB	ZERO	7500	10000	250	250	29559	14354	2444	0.08458

SEG. NO.	TYPE	FLAP	THRUST TYPE	VALUE
1	TKOFF	14	MAX TKOFF	
2	CLIMB	14	MAX TKOFF	
3	ACCEL	14	MAX TKOFF	
4	ACCEL	INT	MAX CLIMB	
5	CLIMB	ZERO	MAX CLIMB	
6	ACCEL	ZERO	MAX CLIMB	
7	CLIMB	ZERO	MAX CLIMB	
8	CLIMB	ZERO	MAX CLIMB	
9	CLIMB	ZERO	MAX CLIMB	

TAKEOFF PROFILE DATA (HEADWIND = 8 KT) 06-18-1991 17:34:31

AIRCRAFT ID NUMBER	AIRCRAFT AND ENGINE NAMES	AIRCRAFT CATEGORY
016	B707-320B/JT3D-7QN	JCOM

	DISTANCE FROM BRAKE RELEASE (FT)	HEIGHT (FT)	SPEED (KTAS)	THRUST (LB)
POINT 1	0	0	16	17792
POINT 2	5992	0	167	15405
POINT 3	13939	1000	170	15601
POINT 4	27176	2056	203	15349
POINT 5	28176	2105	206	13562
POINT 6	34349	2405	225	13350
POINT 7	39825	3000	227	13468
POINT 8	50726	3463	263	13102
POINT 9	71685	5500	271	13546
POINT 10	93664	7500	280	14029
POINT 11	123223	10000	291	0

THRUST FOR LEVEL FLIGHT	GRADIENT AT TAKE-OFF POWER	TAKE-OFF THRUST	GRADIENT AT CLIMB POWER
6645	0.125834	15501	0.091578

CLIMB THRUST	GRADIENT AT FAR36 CUTBACK	THRUST FOR ENGINE OUT LEVEL FLIGHT	VZF (KCAS)
14065	0.040401	8860	217

NUMBER OF ENGINES	RATED THRUST LB	AIRCRAFT WEIGHT (LB)	STAGE NUMBER
4	19000	286000	5

TAKEOFF SEGMENTS DATA (HEADWIND = 8 KT) 06-18-1991 17:35:45

AIRCRAFT ID NUMBER	AIRCRAFT AND ENGINE NAMES	AIRCRAFT CATEGORY
016	B707-320B/JT3D-7QN	JCOM

AIRCRAFT WEIGHT	STAGE NUMBER	NUMBER OF ENGINES
312000	6	4

SEG. NO.	TYPE	FLAP	START ALT (FT)	END ALT (FT)	CALIBRATED START SPEED (KCAS)	CALIBRATED END SPEED (KCAS)	SEG. LNGTH (FT)	THRST (LB)	R/C (FPM)	GRAD
1	TKOFF	14	0	0	16	175	7186	15288	0	0.00000
2	CLIMB	14	0	1000	175	175	9432	15384	1888	0.10603
3	ACCEL	14	1000	2162	175	205	17252	15365	1259	0.06410
4	ACCEL	INT	2162	2470	205	225	8260	13361	800	0.03553
5	CLIMB	ZERO	2470	3000	225	225	5652	13303	2223	0.09371
6	ACCEL	ZERO	3000	3303	225	250	9069	13212	800	0.03176
7	CLIMB	ZERO	3303	5500	250	250	25914	13301	2292	0.08478
8	CLIMB	ZERO	5500	7500	250	250	25359	13782	2201	0.07887
9	CLIMB	ZERO	7500	10000	250	250	34247	14354	2109	0.07300

SEG. NO.	TYPE	FLAP	THRUST TYPE	VALUE
1	TKOFF	14	MAX TKOFF	
2	CLIMB	14	MAX TKOFF	
3	ACCEL	14	MAX TKOFF	
4	ACCEL	INT	MAX CLIMB	
5	CLIMB	ZERO	MAX CLIMB	
6	ACCEL	ZERO	MAX CLIMB	
7	CLIMB	ZERO	MAX CLIMB	
8	CLIMB	ZERO	MAX CLIMB	
9	CLIMB	ZERO	MAX CLIMB	

TAKEOFF PROFILE DATA (HEADWIND = 8 KT) 06-18-1991 17:35:48

AIRCRAFT ID NUMBER	AIRCRAFT AND ENGINE NAMES	AIRCRAFT CATEGORY
016	B707-320B/JT3D-7QN	JCOM

	DISTANCE FROM BRAKE RELEASE (FT)	HEIGHT (FT)	SPEED (KTAS)	THRUST (LB)
POINT 1	0	0	16	17792
POINT 2	7186	0	175	15288
POINT 3	16617	1000	177	15484
POINT 4	33869	2162	212	15246
POINT 5	34869	2199	214	13470
POINT 6	42129	2470	233	13251
POINT 7	47782	3000	235	13356
POINT 8	56851	3303	263	13069
POINT 9	82764	5500	271	13546
POINT 10	108124	7500	280	14029
POINT 11	142371	10000	291	0

THRUST FOR LEVEL FLIGHT	GRADIENT AT TAKE-OFF POWER	TAKE-OFF THRUST	GRADIENT AT CLIMB POWER
7249	0.106026	15384	0.075064

CLIMB THRUST	GRADIENT AT FAR36 CUTBACK	THRUST FOR ENGINE OUT LEVEL FLIGHT	VZF (KCAS)
13962	0.040401	9666	225

NUMBER OF ENGINES	RATED THRUST LB	AIRCRAFT WEIGHT (LB)	STAGE NUMBER
4	19000	312000	6

TAKEOFF SEGMENTS DATA (HEADWIND = 8 KT) 06-18-1991 17:37:10

AIRCRAFT ID NUMBER	AIRCRAFT AND ENGINE NAMES	AIRCRAFT CATEGORY
016	B707-320B/JT3D-7QN	JCOM

AIRCRAFT WEIGHT	STAGE NUMBER	NUMBER OF ENGINES
330000	7	4

SEG. NO.	TYPE	FLAP	START ALT (FT)	END ALT (FT)	CALIBRATED START SPEED (KCAS)	CALIBRATED END SPEED (KCAS)	SEG. LNGTH (FT)	THRST (LB)	R/C (FPM)	GRAD
1	TKOFF	14	0	0	16	179	8080	15209	0	0.00000
2	CLIMB	14	0	1000	179	179	10612	15306	1726	0.09424
3	ACCEL	14	1000	2188	179	209	19751	15297	1151	0.05721
4	ACCEL	INT	2188	2568	209	229	10370	13317	800	0.03485
5	CLIMB	ZERO	2568	3000	229	229	5093	13257	2051	0.08487
6	ACCEL	ZERO	3000	3295	229	250	8900	13184	800	0.03150
7	CLIMB	ZERO	3295	5500	250	250	28563	13300	2087	0.07720
8	CLIMB	ZERO	5500	7500	250	250	27931	13782	1998	0.07161
9	CLIMB	ZERO	7500	10000	250	250	37840	14354	1909	0.06607

SEG. NO.	TYPE	FLAP	THRUST TYPE	VALUE
1	TKOFF	14	MAX TKOFF	
2	CLIMB	14	MAX TKOFF	
3	ACCEL	14	MAX TKOFF	
4	ACCEL	INT	MAX CLIMB	
5	CLIMB	ZERO	MAX CLIMB	
6	ACCEL	ZERO	MAX CLIMB	
7	CLIMB	ZERO	MAX CLIMB	
8	CLIMB	ZERO	MAX CLIMB	
9	CLIMB	ZERO	MAX CLIMB	

TAKEOFF PROFILE DATA (HEADWIND = 8 KT) 06-18-1991 17:37:14

AIRCRAFT ID NUMBER	AIRCRAFT AND ENGINE NAMES	AIRCRAFT CATEGORY
016	B707-320B/JT3D-7QN	JCOM

	DISTANCE FROM BRAKE RELEASE (FT)	HEIGHT (FT)	SPEED (KTAS)	THRUST (LB)
POINT 1	0	0	16	17792
POINT 2	8080	0	179	15209
POINT 3	18692	1000	182	15405
POINT 4	38443	2188	216	15188
POINT 5	39443	2224	218	13420
POINT 6	48813	2568	238	13214
POINT 7	53907	3000	239	13300
POINT 8	62807	3295	262	13067
POINT 9	91370	5500	271	13546
POINT 10	119301	7500	280	14029
POINT 11	157141	10000	291	0

THRUST FOR LEVEL FLIGHT	GRADIENT AT TAKE-OFF POWER	TAKE-OFF THRUST	GRADIENT AT CLIMB POWER
7668	0.094236	15306	0.065214

CLIMB THRUST	GRADIENT AT FAR36 CUTBACK	THRUST FOR ENGINE OUT LEVEL FLIGHT	VZF (KCAS)
13892	0.040401	10223	229

NUMBER OF ENGINES	RATED THRUST LB	AIRCRAFT WEIGHT (LB)	STAGE NUMBER
4	19000	330000	7

APPROACH PROFILE DATA (HEADWIND = 8 KT) 02-15-1992 12:22:24

AIRCRAFT ID NUMBER	AIRCRAFT AND ENGINE NAMES	AIRCRAFT CATEGORY
016	B707-320B/JT3D-7QN	JCOM

	DISTANCE FROM RW THRESHOLD (FT)	HEIGHT (FT)	SPEED (KTAS)	THRUST (LB)	FLAPS
POINT 1	113533	6000	273	372	ZERO
POINT 2	56289	3000	167	2387	14
POINT 3	27668	1500	148	3341	D 25
POINT 4	18127	1000	134	4826	D 40
POINT 5	-954	0	132	4655	D 40
POINT 6	-1365	0	125	11400	
POINT 7	-5060	0	30	1900	

NUMBER OF ENGINES	RATED THRUST LB	AIRCRAFT WEIGHT (LB)	GLIDE SLOPE
4	19000	222300	3.00

TAKEOFF SEGMENTS DATA (HEADWIND = 8 KT) 06-20-1991 15:23:41

AIRCRAFT ID NUMBER	AIRCRAFT AND ENGINE NAMES	AIRCRAFT CATEGORY
017	DC8-60/JT8D-7QN	JCOM

AIRCRAFT WEIGHT	STAGE NUMBER	NUMBER OF ENGINES
220000	1	4

SEG. NO.	TYPE	FLAP	START ALT (FT)	END ALT (FT)	CALIBRATED START SPEED (KCAS)	CALIBRATED END SPEED (KCAS)	SEG. LNGTH (FT)	THRST (LB)	R/C (FPM)	GRAD
1	TKOFF	12	0	0	16	150	3705	15999	0	0.00000
2	CLIMB	12	0	1000	150	150	4969	15990	3082	0.20123
3	ACCEL	12	1000	1328	150	160	2419	15954	2055	0.12972
4	ACCEL	INT	1328	1575	160	180	2687	15875	1541	0.08795
5	ACCEL	INT	1575	1728	180	200	2863	14142	1000	0.05079
6	CLIMB	ZERO	1728	3000	200	200	6830	14052	3905	0.18620
7	ACCEL	ZERO	3000	3363	200	250	8250	13850	1000	0.04189
8	CLIMB	ZERO	3363	5500	250	250	14113	13638	4094	0.15139
9	CLIMB	ZERO	5500	7500	250	250	14790	13588	3774	0.13523
10	CLIMB	ZERO	7500	10000	250	250	21007	13534	3439	0.11901

SEG. NO.	TYPE	FLAP	THRUST TYPE	VALUE
1	TKOFF	12	MAX TKOFF	
2	CLIMB	12	MAX TKOFF	
3	ACCEL	12	MAX TKOFF	
4	ACCEL	INT	MAX TKOFF	
5	ACCEL	INT	MAX CLIMB	
6	CLIMB	ZERO	MAX CLIMB	
7	ACCEL	ZERO	MAX CLIMB	
8	CLIMB	ZERO	MAX CLIMB	
9	CLIMB	ZERO	MAX CLIMB	
10	CLIMB	ZERO	MAX CLIMB	

TAKEOFF PROFILE DATA (HEADWIND = 8 KT) 06-20-1991 15:23:49

AIRCRAFT ID NUMBER	AIRCRAFT AND ENGINE NAMES	AIRCRAFT CATEGORY
017	DC8-60/JT8D-7QN	JCOM

	DISTANCE FROM BRAKE RELEASE (FT)	HEIGHT (FT)	SPEED (KTAS)	THRUST (LB)
POINT 1	0	0	16	16661
POINT 2	3705	0	150	15999
POINT 3	8675	1000	152	15981
POINT 4	11093	1328	163	15927
POINT 5	13780	1575	184	15824
POINT 6	14780	1629	192	14216
POINT 7	16643	1728	205	14068
POINT 8	23473	3000	209	14036
POINT 9	31723	3363	263	13665
POINT 10	45836	5500	271	13612
POINT 11	60626	7500	280	13564
POINT 12	81633	10000	291	0

THRUST FOR LEVEL FLIGHT	GRADIENT AT TAKE-OFF POWER	TAKE-OFF THRUST	GRADIENT AT CLIMB POWER
5163	0.201228	15990	0.152205

CLIMB THRUST	GRADIENT AT FAR36 CUTBACK	THRUST FOR ENGINE OUT LEVEL FLIGHT	VZF (KCAS)
14409	0.040401	6884	200

NUMBER OF ENGINES	RATED THRUST LB	AIRCRAFT WEIGHT (LB)	STAGE NUMBER
4	19000	220000	1

TAKEOFF SEGMENTS DATA (HEADWIND = 8 KT) 06-20-1991 15:24:57

AIRCRAFT ID NUMBER	AIRCRAFT AND ENGINE NAMES	AIRCRAFT CATEGORY
017	DC8-60/JT8D-7QN	JCOM

AIRCRAFT WEIGHT	STAGE NUMBER	NUMBER OF ENGINES
230000	2	4

SEG. NO.	TYPE	FLAP	START ALT (FT)	END ALT (FT)	CALIBRATED START SPEED (KCAS)	CALIBRATED END SPEED (KCAS)	SEG. LNGTH (FT)	THRST (LB)	R/C (FPM)	GRAD
1	TKOFF	12	0	0	16	154	4054	15982	0	0.00000
2	CLIMB	12	0	1000	154	154	5329	15973	2939	0.18767
3	ACCEL	12	1000	1355	154	164	2816	15936	1959	0.12062
4	ACCEL	INT	1355	1606	164	184	2922	15855	1470	0.08189
5	ACCEL	INT	1606	1774	184	204	3209	14112	1000	0.04971
6	CLIMB	ZERO	1774	3000	204	204	7476	14022	3511	0.16404
7	ACCEL	ZERO	3000	3362	204	250	8290	13836	1000	0.04153
8	CLIMB	ZERO	3362	5500	250	250	15013	13638	3851	0.14241
9	CLIMB	ZERO	5500	7500	250	250	15749	13588	3544	0.12699
10	CLIMB	ZERO	7500	10000	250	250	22416	13534	3222	0.11153

SEG. NO.	TYPE	FLAP	THRUST TYPE	VALUE
1	TKOFF	12	MAX TKOFF	
2	CLIMB	12	MAX TKOFF	
3	ACCEL	12	MAX TKOFF	
4	ACCEL	INT	MAX TKOFF	
5	ACCEL	INT	MAX CLIMB	
6	CLIMB	ZERO	MAX CLIMB	
7	ACCEL	ZERO	MAX CLIMB	
8	CLIMB	ZERO	MAX CLIMB	
9	CLIMB	ZERO	MAX CLIMB	
10	CLIMB	ZERO	MAX CLIMB	

TAKEOFF PROFILE DATA (HEADWIND = 8 KT) 06-20-1991 15:25:03

AIRCRAFT ID NUMBER	AIRCRAFT AND ENGINE NAMES	AIRCRAFT CATEGORY
017	DC8-60/JT8D-7QN	JCOM

	DISTANCE FROM BRAKE RELEASE (FT)	HEIGHT (FT)	SPEED (KTAS)	THRUST (LB)
POINT 1	0	0	16	16661
POINT 2	4054	0	154	15982
POINT 3	9382	1000	156	15965
POINT 4	12198	1355	167	15907
POINT 5	15120	1606	188	15804
POINT 6	16120	1658	195	14186
POINT 7	18329	1774	209	14038
POINT 8	25805	3000	213	14007
POINT 9	34095	3362	263	13665
POINT 10	49108	5500	271	13612
POINT 11	64856	7500	280	13564
POINT 12	87273	10000	291	0

THRUST FOR LEVEL FLIGHT	GRADIENT AT TAKE-OFF POWER	TAKE-OFF THRUST	GRADIENT AT CLIMB POWER
5398	0.187668	15973	0.140957

CLIMB THRUST	GRADIENT AT FAR36 CUTBACK	THRUST FOR ENGINE OUT LEVEL FLIGHT	VZF (KCAS)
14384	0.040401	7197	204

NUMBER OF ENGINES	RATED THRUST LB	AIRCRAFT WEIGHT (LB)	STAGE NUMBER
4	19000	230000	2

TAKEOFF SEGMENTS DATA (HEADWIND = 8 KT) 06-20-1991 15:26:21

AIRCRAFT ID NUMBER	AIRCRAFT AND ENGINE NAMES	AIRCRAFT CATEGORY
017	DC8-60/JT8D-7QN	JCOM

AIRCRAFT WEIGHT	STAGE NUMBER	NUMBER OF ENGINES
245000	3	4

SEG. NO.	TYPE	FLAP	START ALT (FT)	END ALT (FT)	CALIBRATED START SPEED (KCAS)	CALIBRATED END SPEED (KCAS)	SEG. LNGTH (FT)	THRST (LB)	R/C (FPM)	GRAD
1	TKOFF	12	0	0	16	158	4607	15958	0	0.00000
2	CLIMB	12	0	1000	158	158	5897	15949	2741	0.16957
3	ACCEL	12	1000	1336	158	168	2937	15914	1827	0.10930
4	ACCEL	INT	1336	1592	168	188	3263	15836	1371	0.07464
5	ACCEL	INT	1592	1784	188	208	3752	14083	1000	0.04870
6	CLIMB	ZERO	1784	3000	208	208	8104	13993	3275	0.15008
7	ACCEL	ZERO	3000	3372	208	250	8599	13821	1000	0.04116
8	CLIMB	ZERO	3372	5500	250	250	16328	13638	3524	0.13032
9	CLIMB	ZERO	5500	7500	250	250	17249	13588	3236	0.11595
10	CLIMB	ZERO	7500	10000	250	250	24636	13534	2932	0.10148

SEG. NO.	TYPE	FLAP	THRUST TYPE	VALUE
1	TKOFF	12	MAX TKOFF	
2	CLIMB	12	MAX TKOFF	
3	ACCEL	12	MAX TKOFF	
4	ACCEL	INT	MAX TKOFF	
5	ACCEL	INT	MAX CLIMB	
6	CLIMB	ZERO	MAX CLIMB	
7	ACCEL	ZERO	MAX CLIMB	
8	CLIMB	ZERO	MAX CLIMB	
9	CLIMB	ZERO	MAX CLIMB	
10	CLIMB	ZERO	MAX CLIMB	

TAKEOFF PROFILE DATA (HEADWIND = 8 KT) 06-20-1991 15:26:28

AIRCRAFT ID NUMBER	AIRCRAFT AND ENGINE NAMES	AIRCRAFT CATEGORY
017	DC8-60/JT8D-7QN	JCOM

	DISTANCE FROM BRAKE RELEASE (FT)	HEIGHT (FT)	SPEED (KTAS)	THRUST (LB)
POINT 1	0	0	16	16661
POINT 2	4607	0	158	15958
POINT 3	10504	1000	161	15940
POINT 4	13441	1336	171	15887
POINT 5	16704	1592	192	15784
POINT 6	17704	1643	198	14158
POINT 7	20457	1784	214	14008
POINT 8	28561	3000	217	13978
POINT 9	37160	3372	263	13665
POINT 10	53487	5500	271	13612
POINT 11	70737	7500	280	13564
POINT 12	95373	10000	291	0

THRUST FOR LEVEL FLIGHT	GRADIENT AT TAKE-OFF POWER	TAKE-OFF THRUST	GRADIENT AT CLIMB POWER
5750	0.169569	15949	0.125903

CLIMB THRUST	GRADIENT AT FAR36 CUTBACK	THRUST FOR ENGINE OUT LEVEL FLIGHT	VZF (KCAS)
14349	0.040401	7666	208

NUMBER OF ENGINES	RATED THRUST LB	AIRCRAFT WEIGHT (LB)	STAGE NUMBER
4	19000	245000	3

TAKEOFF SEGMENTS DATA (HEADWIND = 8 KT) 06-20-1991 15:27:32

AIRCRAFT ID NUMBER	AIRCRAFT AND ENGINE NAMES	AIRCRAFT CATEGORY
017	DC8-60/JT8D-7QN	JCOM

AIRCRAFT WEIGHT	STAGE NUMBER	NUMBER OF ENGINES
265000	4	4

SEG. NO.	TYPE	FLAP	START ALT (FT)	END ALT (FT)	CALIBRATED START SPEED (KCAS)	CALIBRATED END SPEED (KCAS)	SEG. LNGTH (FT)	THRST (LB)	R/C (FPM)	GRAD
1	TKOFF	12	0	0	16	165	5400	15927	0	0.00000
2	CLIMB	12	0	1000	165	165	6719	15918	2502	0.14884
3	ACCEL	12	1000	1376	165	175	3745	15881	1668	0.09571
4	ACCEL	INT	1376	1636	175	195	3794	15800	1251	0.06545
5	ACCEL	INT	1636	1868	195	215	4694	14031	1000	0.04699
6	CLIMB	ZERO	1868	3000	215	215	8470	13941	3016	0.13362
7	ACCEL	ZERO	3000	3362	215	250	8498	13796	1000	0.04055
8	CLIMB	ZERO	3362	5500	250	250	18353	13638	3150	0.11647
9	CLIMB	ZERO	5500	7500	250	250	19377	13588	2881	0.10321
10	CLIMB	ZERO	7500	10000	250	250	27813	13534	2597	0.08989

SEG. NO.	TYPE	FLAP	THRUST TYPE	VALUE
1	TKOFF	12	MAX TKOFF	
2	CLIMB	12	MAX TKOFF	
3	ACCEL	12	MAX TKOFF	
4	ACCEL	INT	MAX TKOFF	
5	ACCEL	INT	MAX CLIMB	
6	CLIMB	ZERO	MAX CLIMB	
7	ACCEL	ZERO	MAX CLIMB	
8	CLIMB	ZERO	MAX CLIMB	
9	CLIMB	ZERO	MAX CLIMB	
10	CLIMB	ZERO	MAX CLIMB	

TAKEOFF PROFILE DATA (HEADWIND = 8 KT) 06-20-1991 15:27:35

AIRCRAFT ID NUMBER	AIRCRAFT AND ENGINE NAMES	AIRCRAFT CATEGORY
017	DC8-60/JT8D-7QN	JCOM

	DISTANCE FROM BRAKE RELEASE (FT)	HEIGHT (FT)	SPEED (KTAS)	THRUST (LB)
POINT 1	0	0	16	16661
POINT 2	5400	0	165	15927
POINT 3	12119	1000	167	15909
POINT 4	15864	1376	179	15852
POINT 5	19658	1636	200	15749
POINT 6	20658	1686	204	14106
POINT 7	24352	1868	221	13956
POINT 8	32821	3000	225	13927
POINT 9	41320	3362	263	13665
POINT 10	59673	5500	271	13612
POINT 11	79050	7500	280	13564
POINT 12	106863	10000	291	0

THRUST FOR LEVEL FLIGHT	GRADIENT AT TAKE-OFF POWER	TAKE-OFF THRUST	GRADIENT AT CLIMB POWER
6219	0.148841	15918	0.108609

CLIMB THRUST	GRADIENT AT FAR36 CUTBACK	THRUST FOR ENGINE OUT LEVEL FLIGHT	VZF (KCAS)
14303	0.040401	8292	215

NUMBER OF ENGINES	RATED THRUST LB	AIRCRAFT WEIGHT (LB)	STAGE NUMBER
4	19000	265000	4

TAKEOFF SEGMENTS DATA (HEADWIND = 8 KT) 06-20-1991 15:28:36

AIRCRAFT ID NUMBER	AIRCRAFT AND ENGINE NAMES	AIRCRAFT CATEGORY
017	DC8-60/JT8D-7QN	JCOM

AIRCRAFT WEIGHT	STAGE NUMBER	NUMBER OF ENGINES
290000	5	4

SEG. NO.	TYPE	FLAP	START ALT (FT)	END ALT (FT)	CALIBRATED START SPEED (KCAS)	CALIBRATED END SPEED (KCAS)	SEG. LNGTH (FT)	THRST (LB)	R/C (FPM)	GRAD
1	TKOFF	12	0	0	16	172	6483	15889	0	0.00000
2	CLIMB	12	0	1000	172	172	7863	15880	2236	0.12718
3	ACCEL	12	1000	1376	172	182	4370	15844	1491	0.08193
4	ACCEL	INT	1376	1642	182	202	4496	15766	1118	0.05632
5	ACCEL	INT	1642	1937	202	222	6183	13979	1000	0.04541
6	CLIMB	ZERO	1937	3000	222	222	9115	13890	2719	0.11662
7	ACCEL	ZERO	3000	3352	222	250	8389	13771	1000	0.03995
8	CLIMB	ZERO	3352	5500	250	250	21072	13638	2756	0.10191
9	CLIMB	ZERO	5500	7500	250	250	22266	13588	2507	0.08982
10	CLIMB	ZERO	7500	10000	250	250	32181	13534	2245	0.07768

SEG. NO.	TYPE	FLAP	THRUST TYPE	VALUE
1	TKOFF	12	MAX TKOFF	
2	CLIMB	12	MAX TKOFF	
3	ACCEL	12	MAX TKOFF	
4	ACCEL	INT	MAX TKOFF	
5	ACCEL	INT	MAX CLIMB	
6	CLIMB	ZERO	MAX CLIMB	
7	ACCEL	ZERO	MAX CLIMB	
8	CLIMB	ZERO	MAX CLIMB	
9	CLIMB	ZERO	MAX CLIMB	
10	CLIMB	ZERO	MAX CLIMB	

TAKEOFF PROFILE DATA (HEADWIND = 8 KT) 06-20-1991 15:28:39

AIRCRAFT ID NUMBER	AIRCRAFT AND ENGINE NAMES	AIRCRAFT CATEGORY
017	DC8-60/JT8D-7QN	JCOM

	DISTANCE FROM BRAKE RELEASE (FT)	HEIGHT (FT)	SPEED (KTAS)	THRUST (LB)
POINT 1	0	0	16	16661
POINT 2	6483	0	172	15889
POINT 3	14346	1000	175	15872
POINT 4	18716	1376	186	15817
POINT 5	23212	1642	207	15714
POINT 6	24212	1689	210	14055
POINT 7	29395	1937	228	13903
POINT 8	38510	3000	232	13876
POINT 9	46899	3352	263	13665
POINT 10	67971	5500	271	13612
POINT 11	90237	7500	280	13564
POINT 12	122418	10000	291	0

THRUST FOR LEVEL FLIGHT	GRADIENT AT TAKE-OFF POWER	TAKE-OFF THRUST	GRADIENT AT CLIMB POWER
6806	0.127176	15880	0.090480

CLIMB THRUST	GRADIENT AT FAR36 CUTBACK	THRUST FOR ENGINE OUT LEVEL FLIGHT	VZF (KCAS)
14248	0.040401	9075	222

NUMBER OF ENGINES	RATED THRUST LB	AIRCRAFT WEIGHT (LB)	STAGE NUMBER
4	19000	290000	5

TAKEOFF SEGMENTS DATA (HEADWIND = 8 KT) 06-20-1991 15:29:51

AIRCRAFT ID NUMBER	AIRCRAFT AND ENGINE NAMES	AIRCRAFT CATEGORY
017	DC8-60/JT8D-7QN	JCOM

AIRCRAFT WEIGHT	STAGE NUMBER	NUMBER OF ENGINES
305000	6	4

SEG. NO.	TYPE	FLAP	START ALT (FT)	END ALT (FT)	CALIBRATED START SPEED (KCAS)	CALIBRATED END SPEED (KCAS)	SEG. LNGTH (FT)	THRST (LB)	R/C (FPM)	GRAD
1	TKOFF	12	0	0	16	177	7180	15867	0	0.00000
2	CLIMB	12	0	1000	177	177	8623	15859	2091	0.11596
3	ACCEL	12	1000	1413	177	187	5275	15821	1394	0.07455
4	ACCEL	INT	1413	1682	187	207	4992	15740	1046	0.05132
5	ACCEL	INT	1682	2027	207	227	7406	13941	1000	0.04432
6	CLIMB	ZERO	2027	3000	227	227	9041	13852	2567	0.10759
7	ACCEL	ZERO	3000	3326	227	250	7829	13753	1000	0.03954
8	CLIMB	ZERO	3326	5500	250	250	23031	13639	2552	0.09441
9	CLIMB	ZERO	5500	7500	250	250	24137	13588	2312	0.08286
10	CLIMB	ZERO	7500	10000	250	250	35044	13534	2061	0.07134

SEG. NO.	TYPE	FLAP	THRUST TYPE	VALUE
1	TKOFF	12	MAX TKOFF	
2	CLIMB	12	MAX TKOFF	
3	ACCEL	12	MAX TKOFF	
4	ACCEL	INT	MAX TKOFF	
5	ACCEL	INT	MAX CLIMB	
6	CLIMB	ZERO	MAX CLIMB	
7	ACCEL	ZERO	MAX CLIMB	
8	CLIMB	ZERO	MAX CLIMB	
9	CLIMB	ZERO	MAX CLIMB	
10	CLIMB	ZERO	MAX CLIMB	

TAKEOFF PROFILE DATA (HEADWIND = 8 KT) 06-20-1991 15:29:54

AIRCRAFT ID NUMBER	AIRCRAFT AND ENGINE NAMES	AIRCRAFT CATEGORY
017	DC8-60/JT8D-7QN	JCOM

	DISTANCE FROM BRAKE RELEASE (FT)	HEIGHT (FT)	SPEED (KTAS)	THRUST (LB)
POINT 1	0	0	16	16661
POINT 2	7180	0	177	15867
POINT 3	15804	1000	179	15850
POINT 4	21079	1413	191	15792
POINT 5	26071	1682	212	15689
POINT 6	27071	1729	215	14018
POINT 7	33477	2027	234	13865
POINT 8	42518	3000	237	13840
POINT 9	50347	3326	263	13666
POINT 10	73378	5500	271	13612
POINT 11	97515	7500	280	13564
POINT 12	132560	10000	291	0

THRUST FOR LEVEL FLIGHT	GRADIENT AT TAKE-OFF POWER	TAKE-OFF THRUST	GRADIENT AT CLIMB POWER
7158	0.115963	15859	0.081079

CLIMB THRUST	GRADIENT AT FAR36 CUTBACK	THRUST FOR ENGINE OUT LEVEL FLIGHT	VZF (KCAS)
14216	0.040401	9544	227

NUMBER OF ENGINES	RATED THRUST LB	AIRCRAFT WEIGHT (LB)	STAGE NUMBER
4	19000	305000	6

TAKEOFF SEGMENTS DATA (HEADWIND = 8 KT) 06-20-1991 15:31:07

AIRCRAFT ID NUMBER	AIRCRAFT AND ENGINE NAMES	AIRCRAFT CATEGORY
017	DC8-60/JT8D-7QN	JCOM

AIRCRAFT WEIGHT	STAGE NUMBER	NUMBER OF ENGINES
325000	7	4

SEG. NO.	TYPE	FLAP	START ALT (FT)	END ALT (FT)	CALIBRATED START SPEED (KCAS)	CALIBRATED END SPEED (KCAS)	SEG. LNGTH (FT)	THRST (LB)	R/C (FPM)	GRAD
1	TKOFF	12	0	0	16	182	8167	15839	0	0.00000
2	CLIMB	12	0	1000	182	182	9738	15830	1912	0.10269
3	ACCEL	12	1000	1405	182	192	5817	15795	1275	0.06621
4	ACCEL	INT	1405	1676	192	212	5647	15716	956	0.04573
5	ACCEL	INT	1676	2022	212	232	8443	13905	900	0.03898
6	CLIMB	ZERO	2022	3000	232	232	10042	13816	2374	0.09736
7	ACCEL	ZERO	3000	3250	232	250	6732	13736	900	0.03523
8	CLIMB	ZERO	3250	5500	250	250	26286	13640	2313	0.08561
9	CLIMB	ZERO	5500	7500	250	250	26812	13588	2082	0.07459
10	CLIMB	ZERO	7500	10000	250	250	39186	13534	1843	0.06380

SEG. NO.	TYPE	FLAP	THRUST TYPE	VALUE
1	TKOFF	12	MAX TKOFF	
2	CLIMB	12	MAX TKOFF	
3	ACCEL	12	MAX TKOFF	
4	ACCEL	INT	MAX TKOFF	
5	ACCEL	INT	MAX CLIMB	
6	CLIMB	ZERO	MAX CLIMB	
7	ACCEL	ZERO	MAX CLIMB	
8	CLIMB	ZERO	MAX CLIMB	
9	CLIMB	ZERO	MAX CLIMB	
10	CLIMB	ZERO	MAX CLIMB	

TAKEOFF PROFILE DATA (HEADWIND = 8 KT) 06-20-1991 15:31:11

AIRCRAFT ID NUMBER	AIRCRAFT AND ENGINE NAMES	AIRCRAFT CATEGORY
017	DC8-60/JT8D-7QN	JCOM

	DISTANCE FROM BRAKE RELEASE (FT)	HEIGHT (FT)	SPEED (KTAS)	THRUST (LB)
POINT 1	0	0	16	16661
POINT 2	8167	0	182	15839
POINT 3	17906	1000	185	15822
POINT 4	23723	1405	196	15768
POINT 5	29369	1676	217	15664
POINT 6	30369	1717	220	13982
POINT 7	37812	2022	239	13829
POINT 8	47855	3000	243	13804
POINT 9	54587	3250	262	13668
POINT 10	80873	5500	271	13612
POINT 11	107685	7500	280	13564
POINT 12	146871	10000	291	0

THRUST FOR LEVEL FLIGHT	GRADIENT AT TAKE-OFF POWER	TAKE-OFF THRUST	GRADIENT AT CLIMB POWER
7627	0.102689	15830	0.069936

CLIMB THRUST	GRADIENT AT FAR36 CUTBACK	THRUST FOR ENGINE OUT LEVEL FLIGHT	VZF (KCAS)
14175	0.040401	10170	232

NUMBER OF ENGINES	RATED THRUST LB	AIRCRAFT WEIGHT (LB)	STAGE NUMBER
4	19000	325000	7

APPROACH PROFILE DATA (HEADWIND = 8 KT) 02-15-1992 13:22:41

AIRCRAFT ID NUMBER	AIRCRAFT AND ENGINE NAMES	AIRCRAFT CATEGORY
017	DC8-60/JT8D-7QN	JCOM

	DISTANCE FROM RW THRESHOLD (FT)	HEIGHT (FT)	SPEED (KTAS)	THRUST (LB)	FLAPS
POINT 1	113533	6000	273	184	ZERO
POINT 2	56289	3000	169	1442	INT
POINT 3	27668	1500	159	4374	D 35
POINT 4	18127	1000	154	5139	D 50
POINT 5	-954	0	151	4956	D 50
POINT 6	-1337	0	144	11400	
POINT 7	-4779	0	30	1900	

NUMBER OF ENGINES	RATED THRUST LB	AIRCRAFT WEIGHT (LB)	GLIDE SLOPE
4	19000	247500	3.00

TAKEOFF SEGMENTS DATA (HEADWIND = 8 KT) 01-08-1992 15:44:34

AIRCRAFT ID NUMBER	AIRCRAFT AND ENGINE NAMES	AIRCRAFT CATEGORY
018	CONCORDE/OLY593	JCOM

AIRCRAFT WEIGHT	STAGE NUMBER	NUMBER OF ENGINES
340000	1	4

SEG. NO.	TYPE	FLAP	START ALT (FT)	END ALT (FT)	CALIBRATED START SPEED (KCAS)	CALIBRATED END SPEED (KCAS)	SEG. LNGTH (FT)	THRST (LB)	R/C (FPM)	GRAD
1	TKOFF	TO	0	0	16	197	6967	33394	0	0.00000
2	ACCEL	TO	0	400	197	250	5654	32614	1526	0.06731
3	CLIMB	TO	400	1000	250	250	2643	31917	5811	0.22717
4	CLIMB	CL1	1000	3000	250	250	31230	18300	1670	0.06404
5	CLIMB	ZERO	3000	5500	250	250	22246	27592	3031	0.11238
6	CLIMB	ZERO	5500	7500	250	250	20986	28115	2660	0.09530
7	CLIMB	ZERO	7500	10000	250	250	31629	28639	2284	0.07904

SEG. NO.	TYPE	FLAP	THRUST TYPE	VALUE
1	TKOFF	TO	MAX TKOFF	
2	ACCEL	TO	MAX TKOFF	
3	CLIMB	TO	MAX TKOFF	
4	CLIMB	CL1	USR SUPPL	18300 LB
5	CLIMB	ZERO	MAX CLIMB	
6	CLIMB	ZERO	MAX CLIMB	
7	CLIMB	ZERO	MAX CLIMB	

TAKEOFF PROFILE DATA (HEADWIND = 8 KT) 01-08-1992 15:44:43

AIRCRAFT ID NUMBER	AIRCRAFT AND ENGINE NAMES	AIRCRAFT CATEGORY
018	CONCORDE/OLY593	JCOM

	DISTANCE FROM BRAKE RELEASE (FT)	HEIGHT (FT)	SPEED (KTAS)	THRUST (LB)
POINT 1	0	0	16	39145
POINT 2	6967	0	197	33394
POINT 3	12621	400	251	31833
POINT 4	15264	1000	254	32000
POINT 5	16264	1064	254	18300
POINT 6	46494	3000	261	18300
POINT 7	47494	3112	262	27301
POINT 8	68740	5500	271	27883
POINT 9	89726	7500	280	28348
POINT 10	121354	10000	291	0

THRUST FOR LEVEL FLIGHT	GRADIENT AT TAKE-OFF POWER	TAKE-OFF THRUST	GRADIENT AT CLIMB POWER
11716	0.229237	31861	0.169368

CLIMB THRUST	GRADIENT AT FAR36 CUTBACK	THRUST FOR ENGINE OUT LEVEL FLIGHT	VZF (KCAS)
26719	0.040447	15621	250

NUMBER OF ENGINES	RATED THRUST LB	AIRCRAFT WEIGHT (LB)	STAGE NUMBER
4	38100	340000	1

TAKEOFF SEGMENTS DATA (HEADWIND = 8 KT) 01-08-1992 15:46:10

AIRCRAFT ID NUMBER	AIRCRAFT AND ENGINE NAMES	AIRCRAFT CATEGORY
018	CONCORDE/OLY593	JCOM

AIRCRAFT WEIGHT	STAGE NUMBER	NUMBER OF ENGINES
340000	2	4

SEG. NO.	TYPE	FLAP	START ALT (FT)	END ALT (FT)	CALIBRATED START SPEED (KCAS)	CALIBRATED END SPEED (KCAS)	SEG. LNGTH (FT)	THRST (LB)	R/C (FPM)	GRAD
1	TKOFF	TO	0	0	16	197	6967	33394	0	0.00000
2	ACCEL	TO	0	400	197	250	5654	32614	1526	0.06731
3	CLIMB	TO	400	1000	250	250	2643	31917	5811	0.22717
4	CLIMB	CL1	1000	3000	250	250	31230	18300	1670	0.06404
5	CLIMB	ZERO	3000	5500	250	250	22246	27592	3031	0.11238
6	CLIMB	ZERO	5500	7500	250	250	20986	28115	2660	0.09530
7	CLIMB	ZERO	7500	10000	250	250	31629	28639	2284	0.07904

SEG. NO.	TYPE	FLAP	THRUST TYPE	VALUE	
1	TKOFF	TO	MAX TKOFF		
2	ACCEL	TO	MAX TKOFF		
3	CLIMB	TO	MAX TKOFF		
4	CLIMB	CL1	USR SUPPL	18300	LB
5	CLIMB	ZERO	MAX CLIMB		
6	CLIMB	ZERO	MAX CLIMB		
7	CLIMB	ZERO	MAX CLIMB		

TAKEOFF PROFILE DATA (HEADWIND = 8 KT) 01-08-1992 15:46:17

AIRCRAFT ID NUMBER	AIRCRAFT AND ENGINE NAMES	AIRCRAFT CATEGORY
018	CONCORDE/OLY593	JCOM

	DISTANCE FROM BRAKE RELEASE (FT)	HEIGHT (FT)	SPEED (KTAS)	THRUST (LB)
POINT 1	0	0	16	39145
POINT 2	6967	0	197	33394
POINT 3	12621	400	251	31833
POINT 4	15264	1000	254	32000
POINT 5	16264	1064	254	18300
POINT 6	46494	3000	261	18300
POINT 7	47494	3112	262	27301
POINT 8	68740	5500	271	27883
POINT 9	89726	7500	280	28348
POINT 10	121354	10000	291	0

THRUST FOR LEVEL FLIGHT	GRADIENT AT TAKE-OFF POWER	TAKE-OFF THRUST	GRADIENT AT CLIMB POWER
11716	0.229237	31861	0.169368

CLIMB THRUST	GRADIENT AT FAR36 CUTBACK	THRUST FOR ENGINE OUT LEVEL FLIGHT	VZF (KCAS)
26719	0.040447	15621	250

NUMBER OF ENGINES	RATED THRUST LB	AIRCRAFT WEIGHT (LB)	STAGE NUMBER
4	38100	340000	2

TAKEOFF SEGMENTS DATA (HEADWIND = 8 KT) 01-08-1992 15:47:43

AIRCRAFT ID NUMBER	AIRCRAFT AND ENGINE NAMES	AIRCRAFT CATEGORY
018	CONCORDE/OLY593	JCOM

AIRCRAFT WEIGHT	STAGE NUMBER	NUMBER OF ENGINES
375000	3	4

SEG. NO.	TYPE	FLAP	START ALT (FT)	END ALT (FT)	CALIBRATED START SPEED (KCAS)	CALIBRATED END SPEED (KCAS)	SEG. LNGTH (FT)	THRST (LB)	R/C (FPM)	GRAD
1	TKOFF	TO	0	0	16	207	8556	33080	0	0.00000
2	ACCEL	TO	0	400	207	250	5855	32457	1508	0.06507
3	CLIMB	TO	400	1000	250	250	3115	31917	4925	0.19253
4	CLIMB	CL1	1000	3000	250	250	33639	19700	1550	0.05946
5	CLIMB	ZERO	3000	5500	250	250	28610	27592	2357	0.08738
6	CLIMB	ZERO	5500	7500	250	250	27779	28115	2009	0.07200
7	CLIMB	ZERO	7500	10000	250	250	43607	28639	1657	0.05733

SEG. NO.	TYPE	FLAP	THRUST TYPE	VALUE
1	TKOFF	TO	MAX TKOFF	
2	ACCEL	TO	MAX TKOFF	
3	CLIMB	TO	MAX TKOFF	
4	CLIMB	CL1	USR SUPPL	19700 LB
5	CLIMB	ZERO	MAX CLIMB	
6	CLIMB	ZERO	MAX CLIMB	
7	CLIMB	ZERO	MAX CLIMB	

TAKEOFF PROFILE DATA (HEADWIND = 8 KT) 01-08-1992 15:47:48

AIRCRAFT ID NUMBER	AIRCRAFT AND ENGINE NAMES	AIRCRAFT CATEGORY
018	CONCORDE/OLY593	JCOM

	DISTANCE FROM BRAKE RELEASE (FT)	HEIGHT (FT)	SPEED (KTAS)	THRUST (LB)
POINT 1	0	0	16	39145
POINT 2	8556	0	207	33080
POINT 3	14411	400	251	31834
POINT 4	17527	1000	254	32000
POINT 5	18527	1059	254	19700
POINT 6	51165	3000	261	19700
POINT 7	52165	3087	262	27301
POINT 8	79775	5500	271	27883
POINT 9	107554	7500	280	28348
POINT 10	151161	10000	291	0

THRUST FOR LEVEL FLIGHT	GRADIENT AT TAKE-OFF POWER	TAKE-OFF THRUST	GRADIENT AT CLIMB POWER
12922	0.194370	31861	0.140998

CLIMB THRUST	GRADIENT AT FAR36 CUTBACK	THRUST FOR ENGINE OUT LEVEL FLIGHT	VZF (KCAS)
26719	0.040447	17229	250

NUMBER OF ENGINES	RATED THRUST LB	AIRCRAFT WEIGHT (LB)	STAGE NUMBER
4	38100	375000	3

TAKEOFF SEGMENTS DATA (HEADWIND = 8 KT) 01-08-1992 15:48:49

AIRCRAFT ID NUMBER	AIRCRAFT AND ENGINE NAMES	AIRCRAFT CATEGORY
018	CONCORDE/OLY593	JCOM

AIRCRAFT WEIGHT	STAGE NUMBER	NUMBER OF ENGINES
375000	4	4

SEG. NO.	TYPE	FLAP	START ALT (FT)	END ALT (FT)	CALIBRATED START SPEED (KCAS)	CALIBRATED END SPEED (KCAS)	SEG. LNGTH (FT)	THRST (LB)	R/C (FPM)	GRAD
1	TKOFF	TO	0	0	16	207	8556	33080	0	0.00000
2	ACCEL	TO	0	400	207	250	5855	32457	1508	0.06507
3	CLIMB	TO	400	1000	250	250	3115	31917	4925	0.19253
4	CLIMB	CL1	1000	3000	250	250	33639	19700	1550	0.05946
5	CLIMB	ZERO	3000	5500	250	250	28610	27592	2357	0.08738
6	CLIMB	ZERO	5500	7500	250	250	27779	28115	2009	0.07200
7	CLIMB	ZERO	7500	10000	250	250	43607	28639	1657	0.05733

SEG. NO.	TYPE	FLAP	THRUST TYPE	VALUE
1	TKOFF	TO	MAX TKOFF	
2	ACCEL	TO	MAX TKOFF	
3	CLIMB	TO	MAX TKOFF	
4	CLIMB	CL1	USR SUPPL	19700 LB
5	CLIMB	ZERO	MAX CLIMB	
6	CLIMB	ZERO	MAX CLIMB	
7	CLIMB	ZERO	MAX CLIMB	

TAKEOFF PROFILE DATA (HEADWIND = 8 KT) 01-08-1992 15:48:53

AIRCRAFT ID NUMBER	AIRCRAFT AND ENGINE NAMES	AIRCRAFT CATEGORY
018	CONCORDE/OLY593	JCOM

	DISTANCE FROM BRAKE RELEASE (FT)	HEIGHT (FT)	SPEED (KTAS)	THRUST (LB)
POINT 1	0	0	16	39145
POINT 2	8556	0	207	33080
POINT 3	14411	400	251	31834
POINT 4	17527	1000	254	32000
POINT 5	18527	1059	254	19700
POINT 6	51165	3000	261	19700
POINT 7	52165	3087	262	27301
POINT 8	79775	5500	271	27883
POINT 9	107554	7500	280	28348
POINT 10	151161	10000	291	0

THRUST FOR LEVEL FLIGHT	GRADIENT AT TAKE-OFF POWER	TAKE-OFF THRUST	GRADIENT AT CLIMB POWER
12922	0.194370	31861	0.140998

CLIMB THRUST	GRADIENT AT FAR36 CUTBACK	THRUST FOR ENGINE OUT LEVEL FLIGHT	VZF (KCAS)
26719	0.040447	17229	250

NUMBER OF ENGINES	RATED THRUST LB	AIRCRAFT WEIGHT (LB)	STAGE NUMBER
4	38100	375000	4

TAKEOFF SEGMENTS DATA (HEADWIND = 8 KT) 01-08-1992 15:50:15

AIRCRAFT ID NUMBER	AIRCRAFT AND ENGINE NAMES	AIRCRAFT CATEGORY
018	CONCORDE/OLY593	JCOM

AIRCRAFT WEIGHT	STAGE NUMBER	NUMBER OF ENGINES
400000	5	4

SEG. NO.	TYPE	FLAP	START ALT (FT)	END ALT (FT)	CALIBRATED START SPEED (KCAS)	CALIBRATED END SPEED (KCAS)	SEG. LNGTH (FT)	THRST (LB)	R/C (FPM)	GRAD
1	TKOFF	TO	0	0	16	214	9799	32865	0	0.00000
2	ACCEL	TO	0	400	214	250	5914	32349	1513	0.06433
3	CLIMB	TO	400	1000	250	250	3494	31917	4396	0.17184
4	CLIMB	CL1	1000	3000	250	250	36431	20500	1432	0.05490
5	CLIMB	ZERO	3000	5500	250	250	34585	27592	1949	0.07229
6	CLIMB	ZERO	5500	7500	250	250	34537	28115	1616	0.05791
7	CLIMB	ZERO	7500	10000	250	250	56574	28639	1277	0.04419

SEG. NO.	TYPE	FLAP	THRUST TYPE	VALUE
1	TKOFF	TO	MAX TKOFF	
2	ACCEL	TO	MAX TKOFF	
3	CLIMB	TO	MAX TKOFF	
4	CLIMB	CL1	USR SUPPL	20500 LB
5	CLIMB	ZERO	MAX CLIMB	
6	CLIMB	ZERO	MAX CLIMB	
7	CLIMB	ZERO	MAX CLIMB	

TAKEOFF PROFILE DATA (HEADWIND = 8 KT) 01-08-1992 15:50:21

AIRCRAFT ID NUMBER	AIRCRAFT AND ENGINE NAMES	AIRCRAFT CATEGORY
018	CONCORDE/OLY593	JCOM

	DISTANCE FROM BRAKE RELEASE (FT)	HEIGHT (FT)	SPEED (KTAS)	THRUST (LB)
POINT 1	0	0	16	39145
POINT 2	9799	0	214	32865
POINT 3	15713	400	251	31833
POINT 4	19207	1000	254	32000
POINT 5	20207	1055	254	20500
POINT 6	55638	3000	261	20500
POINT 7	56638	3072	262	27301
POINT 8	90223	5500	271	27883
POINT 9	124761	7500	280	28348
POINT 10	181335	10000	291	0

THRUST FOR LEVEL FLIGHT	GRADIENT AT TAKE-OFF POWER	TAKE-OFF THRUST	GRADIENT AT CLIMB POWER
13783	0.173536	31861	0.123938

CLIMB THRUST	GRADIENT AT FAR36 CUTBACK	THRUST FOR ENGINE OUT LEVEL FLIGHT	VZF (KCAS)
26718	0.040447	18378	250

NUMBER OF ENGINES	RATED THRUST LB	AIRCRAFT WEIGHT (LB)	STAGE NUMBER
4	38100	400000	5

TAKEOFF SEGMENTS DATA (HEADWIND = 8 KT) 01-08-1992 15:51:16

AIRCRAFT ID NUMBER	AIRCRAFT AND ENGINE NAMES	AIRCRAFT CATEGORY
018	CONCORDE/OLY593	JCOM

AIRCRAFT WEIGHT	STAGE NUMBER	NUMBER OF ENGINES
400000	6	4

SEG. NO.	TYPE	FLAP	START ALT (FT)	END ALT (FT)	CALIBRATED START SPEED (KCAS)	CALIBRATED END SPEED (KCAS)	SEG. LNGTH (FT)	THRST (LB)	R/C (FPM)	GRAD
1	TKOFF	TO	0	0	16	214	9799	32865	0	0.00000
2	ACCEL	TO	0	400	214	250	5914	32349	1513	0.06433
3	CLIMB	TO	400	1000	250	250	3494	31917	4396	0.17184
4	CLIMB	CL1	1000	3000	250	250	36431	20500	1432	0.05490
5	CLIMB	ZERO	3000	5500	250	250	34585	27592	1949	0.07229
6	CLIMB	ZERO	5500	7500	250	250	34537	28115	1616	0.05791
7	CLIMB	ZERO	7500	10000	250	250	56574	28639	1277	0.04419

SEG. NO.	TYPE	FLAP	THRUST TYPE	VALUE
1	TKOFF	TO	MAX TKOFF	
2	ACCEL	TO	MAX TKOFF	
3	CLIMB	TO	MAX TKOFF	
4	CLIMB	CL1	USR SUPPL	20500 LB
5	CLIMB	ZERO	MAX CLIMB	
6	CLIMB	ZERO	MAX CLIMB	
7	CLIMB	ZERO	MAX CLIMB	

TAKEOFF PROFILE DATA (HEADWIND = 8 KT) 01-08-1992 15:51:21

AIRCRAFT ID NUMBER	AIRCRAFT AND ENGINE NAMES	AIRCRAFT CATEGORY
018	CONCORDE/OLY593	JCOM

	DISTANCE FROM BRAKE RELEASE (FT)	HEIGHT (FT)	SPEED (KTAS)	THRUST (LB)
POINT 1	0	0	16	39145
POINT 2	9799	0	214	32865
POINT 3	15713	400	251	31833
POINT 4	19207	1000	254	32000
POINT 5	20207	1055	254	20500
POINT 6	55638	3000	261	20500
POINT 7	56638	3072	262	27301
POINT 8	90223	5500	271	27883
POINT 9	124761	7500	280	28348
POINT 10	181335	10000	291	0

THRUST FOR LEVEL FLIGHT	GRADIENT AT TAKE-OFF POWER	TAKE-OFF THRUST	GRADIENT AT CLIMB POWER
13783	0.173536	31861	0.123938

CLIMB THRUST	GRADIENT AT FAR36 CUTBACK	THRUST FOR ENGINE OUT LEVEL FLIGHT	VZF (KCAS)
26718	0.040447	18378	250

NUMBER OF ENGINES	RATED THRUST LB	AIRCRAFT WEIGHT (LB)	STAGE NUMBER
4	38100	400000	6

APPROACH PROFILE DATA (HEADWIND = 8 KT) 02-15-1992 13:46:21

AIRCRAFT ID NUMBER	AIRCRAFT AND ENGINE NAMES	AIRCRAFT CATEGORY
018	CONCORDE/OLY593	JCOM

	DISTANCE FROM RW THRESHOLD (FT)	HEIGHT (FT)	SPEED (KTAS)	THRUST (LB)	FLAPS
POINT 1	113533	6000	273	5650	CL1
POINT 2	56289	3000	203	6728	ZERO
POINT 3	27668	1500	188	7698	U L
POINT 4	18127	1000	166	8865	D L
POINT 5	-954	0	164	8551	D L
POINT 6	-1813	0	156	22860	
POINT 7	-9540	0	30	3810	

NUMBER OF ENGINES	RATED THRUST LB	AIRCRAFT WEIGHT (LB)	GLIDE SLOPE
4	38100	220500	3.00

TAKEOFF SEGMENTS DATA (HEADWIND = 8 KT) 06-20-1991 15:49:18

AIRCRAFT ID NUMBER	AIRCRAFT AND ENGINE NAMES	AIRCRAFT CATEGORY
019	DC10-10/CF6-6D	JCOM

AIRCRAFT WEIGHT	STAGE NUMBER	NUMBER OF ENGINES
325000	1	3

SEG. NO.	TYPE	FLAP	START ALT (FT)	END ALT (FT)	CALIBRATED START SPEED (KCAS)	CALIBRATED END SPEED (KCAS)	SEG. LNGTH (FT)	THRST (LB)	R/C (FPM)	GRAD
1	TKOFF	10	0	0	16	149	3997	31358	0	0.00000
2	CLIMB	10	0	1000	149	149	5335	31302	2856	0.18744
3	ACCEL	10	1000	1328	149	159	2599	31080	1904	0.12075
4	ACCEL	5	1328	1514	159	174	2128	30669	1428	0.08322
5	ACCEL	INT	1514	1653	174	189	2494	25274	1000	0.05323
6	CLIMB	ZERO	1653	3000	189	189	8508	24987	3135	0.15828
7	ACCEL	ZERO	3000	3598	189	250	13276	24023	1000	0.04286
8	CLIMB	ZERO	3598	5500	250	250	16194	23034	3181	0.11743
9	CLIMB	ZERO	5500	7500	250	250	19270	22846	2897	0.10379
10	CLIMB	ZERO	7500	10000	250	250	27992	22635	2581	0.08931

SEG. NO.	TYPE	FLAP	THRUST TYPE	VALUE
1	TKOFF	10	MAX TKOFF	
2	CLIMB	10	MAX TKOFF	
3	ACCEL	10	MAX TKOFF	
4	ACCEL	5	MAX TKOFF	
5	ACCEL	INT	MAX CLIMB	
6	CLIMB	ZERO	MAX CLIMB	
7	ACCEL	ZERO	MAX CLIMB	
8	CLIMB	ZERO	MAX CLIMB	
9	CLIMB	ZERO	MAX CLIMB	
10	CLIMB	ZERO	MAX CLIMB	

TAKEOFF PROFILE DATA (HEADWIND = 8 KT) 06-20-1991 15:49:22

AIRCRAFT ID NUMBER	AIRCRAFT AND ENGINE NAMES	AIRCRAFT CATEGORY
019	DC10-10/CF6-6D	JCOM

	DISTANCE FROM BRAKE RELEASE (FT)	HEIGHT (FT)	SPEED (KTAS)	THRUST (LB)
POINT 1	0	0	16	35490
POINT 2	3997	0	149	31358
POINT 3	9332	1000	152	31247
POINT 4	11931	1328	162	30912
POINT 5	14059	1514	178	30427
POINT 6	15059	1570	184	25494
POINT 7	16553	1653	194	25054
POINT 8	25062	3000	198	24920
POINT 9	38338	3598	264	23126
POINT 10	54531	5500	271	22942
POINT 11	73801	7500	280	22752
POINT 12	101793	10000	291	0

THRUST FOR LEVEL FLIGHT	GRADIENT AT TAKE-OFF POWER	TAKE-OFF THRUST	GRADIENT AT CLIMB POWER
11428	0.187438	31302	0.120632

CLIMB THRUST	GRADIENT AT FAR36 CUTBACK	THRUST FOR ENGINE OUT LEVEL FLIGHT	VZF (KCAS)
26098	0.049207	17142	189

NUMBER OF ENGINES	RATED THRUST LB	AIRCRAFT WEIGHT (LB)	STAGE NUMBER
3	40000	325000	1

TAKEOFF SEGMENTS DATA (HEADWIND = 8 KT) 06-20-1991 15:50:40

AIRCRAFT ID NUMBER	AIRCRAFT AND ENGINE NAMES	AIRCRAFT CATEGORY
019	DC10-10/CF6-6D	JCOM

AIRCRAFT WEIGHT	STAGE NUMBER	NUMBER OF ENGINES
340000	2	3

SEG. NO.	TYPE	FLAP	START ALT (FT)	END ALT (FT)	CALIBRATED START SPEED (KCAS)	CALIBRATED END SPEED (KCAS)	SEG. LNGTH (FT)	THRST (LB)	R/C (FPM)	GRAD
1	TKOFF	10	0	0	16	153	4389	31252	0	0.00000
2	CLIMB	10	0	1000	153	153	5774	31197	2699	0.17320
3	ACCEL	10	1000	1356	153	163	3060	30963	1799	0.11127
4	ACCEL	5	1356	1544	163	178	2333	30542	1350	0.07676
5	ACCEL	INT	1544	1700	178	193	2844	25157	1000	0.05205
6	CLIMB	ZERO	1700	3000	193	193	8824	24871	2982	0.14734
7	ACCEL	ZERO	3000	3617	193	250	13825	23966	1000	0.04246
8	CLIMB	ZERO	3617	5500	250	250	17165	23033	2972	0.10968
9	CLIMB	ZERO	5500	7500	250	250	20675	22846	2700	0.09674
10	CLIMB	ZERO	7500	10000	250	250	30150	22635	2396	0.08292

SEG. NO.	TYPE	FLAP	THRUST TYPE	VALUE
1	TKOFF	10	MAX TKOFF	
2	CLIMB	10	MAX TKOFF	
3	ACCEL	10	MAX TKOFF	
4	ACCEL	5	MAX TKOFF	
5	ACCEL	INT	MAX CLIMB	
6	CLIMB	ZERO	MAX CLIMB	
7	ACCEL	ZERO	MAX CLIMB	
8	CLIMB	ZERO	MAX CLIMB	
9	CLIMB	ZERO	MAX CLIMB	
10	CLIMB	ZERO	MAX CLIMB	

TAKEOFF PROFILE DATA (HEADWIND = 8 KT) 06-20-1991 15:50:44

AIRCRAFT ID NUMBER	AIRCRAFT AND ENGINE NAMES	AIRCRAFT CATEGORY
019	DC10-10/CF6-6D	JCOM

	DISTANCE FROM BRAKE RELEASE (FT)	HEIGHT (FT)	SPEED (KTAS)	THRUST (LB)
POINT 1	0	0	16	35490
POINT 2	4389	0	153	31252
POINT 3	10163	1000	155	31142
POINT 4	13223	1356	166	30785
POINT 5	15557	1544	182	30299
POINT 6	16557	1599	188	25378
POINT 7	18400	1700	198	24935
POINT 8	27225	3000	202	24806
POINT 9	41050	3617	264	23125
POINT 10	58215	5500	271	22942
POINT 11	78889	7500	280	22752
POINT 12	109039	10000	291	0

THRUST FOR LEVEL FLIGHT	GRADIENT AT TAKE-OFF POWER	TAKE-OFF THRUST	GRADIENT AT CLIMB POWER
11956	0.173201	31197	0.109831

CLIMB THRUST	GRADIENT AT FAR36 CUTBACK	THRUST FOR ENGINE OUT LEVEL FLIGHT	VZF (KCAS)
26001	0.049207	17933	193

NUMBER OF ENGINES	RATED THRUST LB	AIRCRAFT WEIGHT (LB)	STAGE NUMBER
3	40000	340000	2

TAKEOFF SEGMENTS DATA (HEADWIND = 8 KT) 06-20-1991 15:52:34

AIRCRAFT ID NUMBER	AIRCRAFT AND ENGINE NAMES	AIRCRAFT CATEGORY
019	DC10-10/CF6-6D	JCOM

AIRCRAFT WEIGHT	STAGE NUMBER	NUMBER OF ENGINES
360000	3	3

SEG. NO.	TYPE	FLAP	START ALT (FT)	END ALT (FT)	CALIBRATED START SPEED (KCAS)	CALIBRATED END SPEED (KCAS)	SEG. LNGTH (FT)	THRST (LB)	R/C (FPM)	GRAD
1	TKOFF	10	0	0	16	157	4943	31115	0	0.00000
2	CLIMB	10	0	1000	157	157	6401	31059	2505	0.15623
3	ACCEL	10	1000	1354	157	167	3361	30833	1670	0.10050
4	ACCEL	5	1354	1544	167	182	2601	30418	1253	0.06958
5	ACCEL	INT	1544	1723	182	197	3356	25042	1000	0.05094
6	CLIMB	ZERO	1723	3000	197	197	9477	24756	2783	0.13470
7	ACCEL	ZERO	3000	3656	197	250	14837	23907	1000	0.04207
8	CLIMB	ZERO	3656	5500	250	250	18375	23031	2719	0.10033
9	CLIMB	ZERO	5500	7500	250	250	22660	22846	2463	0.08826
10	CLIMB	ZERO	7500	10000	250	250	33227	22635	2174	0.07524

SEG. NO.	TYPE	FLAP	THRUST TYPE	VALUE
1	TKOFF	10	MAX TKOFF	
2	CLIMB	10	MAX TKOFF	
3	ACCEL	10	MAX TKOFF	
4	ACCEL	5	MAX TKOFF	
5	ACCEL	INT	MAX CLIMB	
6	CLIMB	ZERO	MAX CLIMB	
7	ACCEL	ZERO	MAX CLIMB	
8	CLIMB	ZERO	MAX CLIMB	
9	CLIMB	ZERO	MAX CLIMB	
10	CLIMB	ZERO	MAX CLIMB	

TAKEOFF PROFILE DATA (HEADWIND = 8 KT) 06-20-1991 15:52:38

AIRCRAFT ID NUMBER	AIRCRAFT AND ENGINE NAMES	AIRCRAFT CATEGORY
019	DC10-10/CF6-6D	JCOM

	DISTANCE FROM BRAKE RELEASE (FT)	HEIGHT (FT)	SPEED (KTAS)	THRUST (LB)
POINT 1	0	0	16	35490
POINT 2	4943	0	157	31115
POINT 3	11344	1000	159	31005
POINT 4	14705	1354	170	30661
POINT 5	17306	1544	186	30175
POINT 6	18306	1597	191	25264
POINT 7	20661	1723	202	24819
POINT 8	30138	3000	206	24693
POINT 9	44975	3656	264	23121
POINT 10	63350	5500	271	22942
POINT 11	86010	7500	280	22752
POINT 12	119236	10000	291	0

THRUST FOR LEVEL FLIGHT	GRADIENT AT TAKE-OFF POWER	TAKE-OFF THRUST	GRADIENT AT CLIMB POWER
12659	0.156229	31059	0.096905

CLIMB THRUST	GRADIENT AT FAR36 CUTBACK	THRUST FOR ENGINE OUT LEVEL FLIGHT	VZF (KCAS)
25875	0.049207	18988	197

NUMBER OF ENGINES	RATED THRUST LB	AIRCRAFT WEIGHT (LB)	STAGE NUMBER
3	40000	360000	3

TAKEOFF SEGMENTS DATA (HEADWIND = 8 KT) 06-20-1991 15:53:57

AIRCRAFT ID NUMBER	AIRCRAFT AND ENGINE NAMES	AIRCRAFT CATEGORY
019	DC10-10/CF6-6D	JCOM

AIRCRAFT WEIGHT	STAGE NUMBER	NUMBER OF ENGINES
390000	4	3

SEG. NO.	TYPE	FLAP	START ALT (FT)	END ALT (FT)	CALIBRATED START SPEED (KCAS)	CALIBRATED END SPEED (KCAS)	SEG. LNGTH (FT)	THRST (LB)	R/C (FPM)	GRAD
1	TKOFF	10	0	0	16	164	5838	30916	0	0.00000
2	CLIMB	10	0	1000	164	164	7447	30861	2241	0.13428
3	ACCEL	10	1000	1396	164	174	4377	30623	1494	0.08619
4	ACCEL	5	1396	1589	174	189	3076	30197	1121	0.05977
5	ACCEL	INT	1589	1815	189	204	4384	24836	1000	0.04907
6	CLIMB	ZERO	1815	3000	204	204	10699	24552	2371	0.11076
7	ACCEL	ZERO	3000	3700	204	250	16074	23805	1000	0.04141
8	CLIMB	ZERO	3700	5500	250	250	20411	23029	2391	0.08818
9	CLIMB	ZERO	5500	7500	250	250	25903	22846	2155	0.07721
10	CLIMB	ZERO	7500	10000	250	250	38332	22635	1884	0.06522

SEG. NO.	TYPE	FLAP	THRUST TYPE	VALUE
1	TKOFF	10	MAX TKOFF	
2	CLIMB	10	MAX TKOFF	
3	ACCEL	10	MAX TKOFF	
4	ACCEL	5	MAX TKOFF	
5	ACCEL	INT	MAX CLIMB	
6	CLIMB	ZERO	MAX CLIMB	
7	ACCEL	ZERO	MAX CLIMB	
8	CLIMB	ZERO	MAX CLIMB	
9	CLIMB	ZERO	MAX CLIMB	
10	CLIMB	ZERO	MAX CLIMB	

TAKEOFF PROFILE DATA (HEADWIND = 8 KT) 06-20-1991 15:54:00

AIRCRAFT ID NUMBER	AIRCRAFT AND ENGINE NAMES	AIRCRAFT CATEGORY
019	DC10-10/CF6-6D	JCOM

	DISTANCE FROM BRAKE RELEASE (FT)	HEIGHT (FT)	SPEED (KTAS)	THRUST (LB)
POINT 1	0	0	16	35490
POINT 2	5838	0	164	30916
POINT 3	13285	1000	166	30806
POINT 4	17662	1396	178	30440
POINT 5	20738	1589	193	29954
POINT 6	21738	1640	197	25060
POINT 7	25122	1815	210	24611
POINT 8	35821	3000	213	24494
POINT 9	51896	3700	264	23117
POINT 10	72307	5500	271	22942
POINT 11	98210	7500	280	22752
POINT 12	136542	10000	291	0

THRUST FOR LEVEL FLIGHT	GRADIENT AT TAKE-OFF POWER	TAKE-OFF THRUST	GRADIENT AT CLIMB POWER
13714	0.134284	30861	0.080119

CLIMB THRUST	GRADIENT AT FAR36 CUTBACK	THRUST FOR ENGINE OUT LEVEL FLIGHT	VZF (KCAS)
25693	0.049207	20571	204

NUMBER OF ENGINES	RATED THRUST LB	AIRCRAFT WEIGHT (LB)	STAGE NUMBER
3	40000	390000	4

TAKEOFF SEGMENTS DATA (HEADWIND = 8 KT) 06-20-1991 15:55:14

AIRCRAFT ID NUMBER	AIRCRAFT AND ENGINE NAMES	AIRCRAFT CATEGORY
019	DC10-10/CF6-6D	JCOM

AIRCRAFT WEIGHT	STAGE NUMBER	NUMBER OF ENGINES
420000	5	3

SEG. NO.	TYPE	FLAP	START ALT (FT)	END ALT (FT)	CALIBRATED START SPEED (KCAS)	CALIBRATED END SPEED (KCAS)	SEG. LNGTH (FT)	THRST (LB)	R/C (FPM)	GRAD
1	TKOFF	10	0	0	16	170	6813	30724	0	0.00000
2	CLIMB	10	0	1000	170	170	8645	30669	2003	0.11568
3	ACCEL	10	1000	1411	170	180	5272	30433	1335	0.07426
4	ACCEL	5	1411	1606	180	195	3587	30009	1002	0.05168
5	ACCEL	INT	1606	1895	195	210	5777	24660	1000	0.04758
6	CLIMB	ZERO	1895	3000	210	210	11336	24378	2150	0.09749
7	ACCEL	ZERO	3000	3757	210	250	17607	23717	1000	0.04085
8	CLIMB	ZERO	3757	5500	250	250	22418	23026	2109	0.07777
9	CLIMB	ZERO	5500	7500	250	250	29516	22846	1891	0.06776
10	CLIMB	ZERO	7500	10000	250	250	44134	22635	1637	0.05665

SEG. NO.	TYPE	FLAP	THRUST TYPE	VALUE
1	TKOFF	10	MAX TKOFF	
2	CLIMB	10	MAX TKOFF	
3	ACCEL	10	MAX TKOFF	
4	ACCEL	5	MAX TKOFF	
5	ACCEL	INT	MAX CLIMB	
6	CLIMB	ZERO	MAX CLIMB	
7	ACCEL	ZERO	MAX CLIMB	
8	CLIMB	ZERO	MAX CLIMB	
9	CLIMB	ZERO	MAX CLIMB	
10	CLIMB	ZERO	MAX CLIMB	

TAKEOFF PROFILE DATA (HEADWIND = 8 KT) 06-20-1991 15:55:17

AIRCRAFT ID NUMBER	AIRCRAFT AND ENGINE NAMES	AIRCRAFT CATEGORY
019	DC10-10/CF6-6D	JCOM

	DISTANCE FROM BRAKE RELEASE (FT)	HEIGHT (FT)	SPEED (KTAS)	THRUST (LB)
POINT 1	0	0	16	35490
POINT 2	6813	0	170	30724
POINT 3	15458	1000	172	30614
POINT 4	20730	1411	184	30252
POINT 5	24317	1606	200	29766
POINT 6	25317	1656	202	24888
POINT 7	30094	1895	216	24433
POINT 8	41430	3000	220	24323
POINT 9	59037	3757	264	23111
POINT 10	81455	5500	271	22942
POINT 11	110972	7500	280	22752
POINT 12	155106	10000	291	0

THRUST FOR LEVEL FLIGHT	GRADIENT AT TAKE-OFF POWER	TAKE-OFF THRUST	GRADIENT AT CLIMB POWER
14769	0.115679	30669	0.065830

CLIMB THRUST	GRADIENT AT FAR36 CUTBACK	THRUST FOR ENGINE OUT LEVEL FLIGHT	VZF (KCAS)
25517	0.049207	22153	210

NUMBER OF ENGINES	RATED THRUST LB	AIRCRAFT WEIGHT (LB)	STAGE NUMBER
3	40000	420000	5

TAKEOFF SEGMENTS DATA (HEADWIND = 8 KT) 06-20-1991 15:59:06

AIRCRAFT ID NUMBER	AIRCRAFT AND ENGINE NAMES	AIRCRAFT CATEGORY
019	DC10-10/CF6-6D	JCOM

AIRCRAFT WEIGHT	STAGE NUMBER	NUMBER OF ENGINES
450000	6	3

SEG. NO.	TYPE	FLAP	START ALT (FT)	END ALT (FT)	CALIBRATED START SPEED (KCAS)	CALIBRATED END SPEED (KCAS)	SEG. LNGTH (FT)	THRST (LB)	R/C (FPM)	GRAD
1	TKOFF	10	0	0	16	176	7868	30540	0	0.00000
2	CLIMB	10	0	1000	176	176	10030	30485	1787	0.09970
3	ACCEL	10	1000	1438	176	186	6519	30246	1191	0.06400
4	ACCEL	5	1438	1634	186	201	4171	29820	894	0.04465
5	ACCEL	INT	1634	1871	201	216	6083	24489	800	0.03695
6	CLIMB	ZERO	1871	3000	216	216	13080	24208	1958	0.08635
7	ACCEL	ZERO	3000	3521	216	250	15318	23643	800	0.03232
8	CLIMB	ZERO	3521	5500	250	250	28470	23038	1882	0.06952
9	CLIMB	ZERO	5500	7500	250	250	33566	22846	1663	0.05958
10	CLIMB	ZERO	7500	10000	250	250	50788	22635	1422	0.04922

SEG. NO.	TYPE	FLAP	THRUST TYPE	VALUE
1	TKOFF	10	MAX TKOFF	
2	CLIMB	10	MAX TKOFF	
3	ACCEL	10	MAX TKOFF	
4	ACCEL	5	MAX TKOFF	
5	ACCEL	INT	MAX CLIMB	
6	CLIMB	ZERO	MAX CLIMB	
7	ACCEL	ZERO	MAX CLIMB	
8	CLIMB	ZERO	MAX CLIMB	
9	CLIMB	ZERO	MAX CLIMB	
10	CLIMB	ZERO	MAX CLIMB	

TAKEOFF PROFILE DATA (HEADWIND = 8 KT) 06-20-1991 15:59:10

AIRCRAFT ID NUMBER	AIRCRAFT AND ENGINE NAMES	AIRCRAFT CATEGORY
019	DC10-10/CF6-6D	JCOM

	DISTANCE FROM BRAKE RELEASE (FT)	HEIGHT (FT)	SPEED (KTAS)	THRUST (LB)
POINT 1	0	0	16	35490
POINT 2	7868	0	176	30540
POINT 3	17899	1000	178	30430
POINT 4	24418	1438	190	30063
POINT 5	28589	1634	206	29577
POINT 6	29589	1673	209	24715
POINT 7	34672	1871	222	24264
POINT 8	47752	3000	226	24152
POINT 9	63070	3521	263	23134
POINT 10	91540	5500	271	22942
POINT 11	125107	7500	280	22752
POINT 12	175895	10000	291	0

THRUST FOR LEVEL FLIGHT	GRADIENT AT TAKE-OFF POWER	TAKE-OFF THRUST	GRADIENT AT CLIMB POWER
15823	0.099697	30485	0.053517

CLIMB THRUST	GRADIENT AT FAR36 CUTBACK	THRUST FOR ENGINE OUT LEVEL FLIGHT	VZF (KCAS)
25347	0.049207	23735	216

NUMBER OF ENGINES	RATED THRUST LB	AIRCRAFT WEIGHT (LB)	STAGE NUMBER
3	40000	450000	6

APPROACH PROFILE DATA (HEADWIND = 8 KT) 02-15-1992 13:24:45

AIRCRAFT ID NUMBER	AIRCRAFT AND ENGINE NAMES	AIRCRAFT CATEGORY
019	DC10-10/CF6-6D	JCOM

	DISTANCE FROM RW THRESHOLD (FT)	HEIGHT (FT)	SPEED (KTAS)	THRUST (LB)	FLAPS
POINT 1	113533	6000	273	862	ZERO
POINT 2	56289	3000	171	2155	INT
POINT 3	27668	1500	157	8825	U 35
POINT 4	18127	1000	146	9252	D 35
POINT 5	-954	0	144	8924	D 35
POINT 6	-1382	0	136	24000	
POINT 7	-5238	0	30	4000	

NUMBER OF ENGINES	RATED THRUST LB	AIRCRAFT WEIGHT (LB)	GLIDE SLOPE
3	40000	327150	3.00

TAKEOFF SEGMENTS DATA (HEADWIND = 8 KT) 06-24-1991 10:33:42

AIRCRAFT ID NUMBER	AIRCRAFT AND ENGINE NAMES	AIRCRAFT CATEGORY
020	DC10-30/CF6-50C2	JCOM

AIRCRAFT WEIGHT	STAGE NUMBER	NUMBER OF ENGINES
375000	1	3

SEG. NO.	TYPE	FLAP	START ALT (FT)	END ALT (FT)	CALIBRATED START SPEED (KCAS)	CALIBRATED END SPEED (KCAS)	SEG. LNGTH (FT)	THRST (LB)	R/C (FPM)	GRAD
1	TKOFF	20	0	0	16	149	3371	42987	0	0.00000
2	CLIMB	20	0	1000	149	149	4072	43292	3735	0.24560
3	ACCEL	INT1	1000	1285	149	159	1728	43473	2490	0.15894
4	ACCEL	INT1	1285	1493	159	174	1814	43094	1868	0.10919
5	ACCEL	INT2	1493	1597	174	189	1871	33945	1000	0.05326
6	CLIMB	ZERO	1597	3000	189	189	7346	34094	3781	0.19093
7	ACCEL	ZERO	3000	3436	189	250	9663	33648	1000	0.04292
8	CLIMB	ZERO	3436	5500	250	250	13360	33268	4180	0.15448
9	CLIMB	ZERO	5500	7500	250	250	13998	34033	3987	0.14288
10	CLIMB	ZERO	7500	10000	250	250	19229	34798	3757	0.13001

SEG. NO.	TYPE	FLAP	THRUST TYPE	VALUE	
1	TKOFF	20	MAX TKOFF		
2	CLIMB	20	MAX TKOFF		
3	ACCEL	INT1	MAX TKOFF		
4	ACCEL	INT1	MAX TKOFF		
5	ACCEL	INT2	MAX CLIMB		
6	CLIMB	ZERO	MAX CLIMB		
7	ACCEL	ZERO	MAX CLIMB		
8	CLIMB	ZERO	USR SUPPL	33268	LB
9	CLIMB	ZERO	USR SUPPL	34033	LB
10	CLIMB	ZERO	USR SUPPL	34798	LB

TAKEOFF PROFILE DATA (HEADWIND = 8 KT) 06-24-1991 10:33:48

AIRCRAFT ID NUMBER	AIRCRAFT AND ENGINE NAMES	AIRCRAFT CATEGORY
020	DC10-30/CF6-50C2	JCOM

	DISTANCE FROM BRAKE RELEASE (FT)	HEIGHT (FT)	SPEED (KTAS)	THRUST (LB)
POINT 1	0	0	16	48631
POINT 2	3371	0	149	42987
POINT 3	7442	1000	151	43597
POINT 4	9170	1285	162	43349
POINT 5	10984	1493	178	42839
POINT 6	11984	1549	186	34139
POINT 7	12855	1597	193	33750
POINT 8	20200	3000	198	34437
POINT 9	29863	3436	263	32859
POINT 10	43224	5500	271	33268
POINT 11	57222	7500	280	34033
POINT 12	76451	10000	291	0

THRUST FOR LEVEL FLIGHT	GRADIENT AT TAKE-OFF POWER	TAKE-OFF THRUST	GRADIENT AT CLIMB POWER
13528	0.245599	43292	0.157794

CLIMB THRUST	GRADIENT AT FAR36 CUTBACK	THRUST FOR ENGINE OUT LEVEL FLIGHT	VZF (KCAS)
35366	0.050483	20291	189

NUMBER OF ENGINES	RATED THRUST LB	AIRCRAFT WEIGHT (LB)	STAGE NUMBER
3	53200	375000	1

TAKEOFF SEGMENTS DATA (HEADWIND = 8 KT) 06-24-1991 10:36:05

AIRCRAFT ID NUMBER	AIRCRAFT AND ENGINE NAMES	AIRCRAFT CATEGORY
020	DC10-30/CF6-50C2	JCOM

AIRCRAFT WEIGHT	STAGE NUMBER	NUMBER OF ENGINES
390000	2	3

SEG. NO.	TYPE	FLAP	START ALT (FT)	END ALT (FT)	CALIBRATED START SPEED (KCAS)	CALIBRATED END SPEED (KCAS)	SEG. LNGTH (FT)	THRST (LB)	R/C (FPM)	GRAD
1	TKOFF	20	0	0	16	152	3656	42862	0	0.00000
2	CLIMB	20	0	1000	152	152	4344	43167	3570	0.23021
3	ACCEL	INT1	1000	1289	152	162	1863	43348	2380	0.14881
4	ACCEL	INT1	1289	1499	162	177	1957	42970	1785	0.10241
5	ACCEL	INT2	1499	1612	177	192	2059	33861	1000	0.05238
6	CLIMB	ZERO	1612	3000	192	192	7713	34009	3621	0.17998
7	ACCEL	ZERO	3000	3447	192	250	9972	33607	1000	0.04262
8	CLIMB	ZERO	3447	5500	250	250	14071	33268	3948	0.14590
9	CLIMB	ZERO	5500	7500	250	250	14834	34033	3763	0.13483
10	CLIMB	ZERO	7500	10000	250	250	20409	34798	3539	0.12249

SEG. NO.	TYPE	FLAP	THRUST TYPE	VALUE	
1	TKOFF	20	MAX TKOFF		
2	CLIMB	20	MAX TKOFF		
3	ACCEL	INT1	MAX TKOFF		
4	ACCEL	INT1	MAX TKOFF		
5	ACCEL	INT2	MAX CLIMB		
6	CLIMB	ZERO	MAX CLIMB		
7	ACCEL	ZERO	MAX CLIMB		
8	CLIMB	ZERO	USR SUPPL	33268	LB
9	CLIMB	ZERO	USR SUPPL	34033	LB
10	CLIMB	ZERO	USR SUPPL	34798	LB

TAKEOFF PROFILE DATA (HEADWIND = 8 KT) 06-24-1991 10:36:10

AIRCRAFT ID NUMBER	AIRCRAFT AND ENGINE NAMES	AIRCRAFT CATEGORY
020	DC10-30/CF6-50C2	JCOM

	DISTANCE FROM BRAKE RELEASE (FT)	HEIGHT (FT)	SPEED (KTAS)	THRUST (LB)
POINT 1	0	0	16	48631
POINT 2	3656	0	152	42862
POINT 3	8000	1000	154	43472
POINT 4	9863	1289	165	43224
POINT 5	11820	1499	181	42716
POINT 6	12820	1554	189	34054
POINT 7	13879	1612	197	33669
POINT 8	21592	3000	201	34349
POINT 9	31564	3447	263	32864
POINT 10	45635	5500	271	33268
POINT 11	60469	7500	280	34033
POINT 12	80878	10000	291	0

THRUST FOR LEVEL FLIGHT	GRADIENT AT TAKE-OFF POWER	TAKE-OFF THRUST	GRADIENT AT CLIMB POWER
14069	0.230210	43167	0.146772

CLIMB THRUST	GRADIENT AT FAR36 CUTBACK	THRUST FOR ENGINE OUT LEVEL FLIGHT	VZF (KCAS)
35279	0.050483	21103	192

NUMBER OF ENGINES	RATED THRUST LB	AIRCRAFT WEIGHT (LB)	STAGE NUMBER
3	53200	390000	2

TAKEOFF SEGMENTS DATA (HEADWIND = 8 KT) 06-24-1991 10:39:02

AIRCRAFT ID NUMBER	AIRCRAFT AND ENGINE NAMES	AIRCRAFT CATEGORY
020	DC10-30/CF6-50C2	JCOM

AIRCRAFT WEIGHT	STAGE NUMBER	NUMBER OF ENGINES
405000	3	3

SEG. NO.	TYPE	FLAP	START ALT (FT)	END ALT (FT)	CALIBRATED START SPEED (KCAS)	CALIBRATED END SPEED (KCAS)	SEG. LNGTH (FT)	THRST (LB)	R/C (FPM)	GRAD
1	TKOFF	20	0	0	16	155	3954	42739	0	0.00000
2	CLIMB	20	0	1000	155	155	4627	43044	3415	0.21612
3	ACCEL	INT1	1000	1294	155	165	2019	43225	2277	0.13956
4	ACCEL	INT1	1294	1507	165	180	2110	42847	1708	0.09622
5	ACCEL	INT2	1507	1629	180	195	2265	33780	1000	0.05153
6	CLIMB	ZERO	1629	3000	195	195	8069	33925	3471	0.16988
7	ACCEL	ZERO	3000	3457	195	250	10259	33565	1000	0.04233
8	CLIMB	ZERO	3457	5500	250	250	14807	33268	3734	0.13799
9	CLIMB	ZERO	5500	7500	250	250	15699	34033	3555	0.12740
10	CLIMB	ZERO	7500	10000	250	250	21635	34798	3339	0.11555

SEG. NO.	TYPE	FLAP	THRUST TYPE	VALUE	
1	TKOFF	20	MAX TKOFF		
2	CLIMB	20	MAX TKOFF		
3	ACCEL	INT1	MAX TKOFF		
4	ACCEL	INT1	MAX TKOFF		
5	ACCEL	INT2	MAX CLIMB		
6	CLIMB	ZERO	MAX CLIMB		
7	ACCEL	ZERO	MAX CLIMB		
8	CLIMB	ZERO	USR SUPPL	33268	LB
9	CLIMB	ZERO	USR SUPPL	34033	LB
10	CLIMB	ZERO	USR SUPPL	34798	LB

TAKEOFF PROFILE DATA (HEADWIND = 8 KT) 06-24-1991 10:39:10

AIRCRAFT ID NUMBER	AIRCRAFT AND ENGINE NAMES	AIRCRAFT CATEGORY
020	DC10-30/CF6-50C2	JCOM

	DISTANCE FROM BRAKE RELEASE (FT)	HEIGHT (FT)	SPEED (KTAS)	THRUST (LB)
POINT 1	0	0	16	48631
POINT 2	3954	0	155	42739
POINT 3	8581	1000	157	43349
POINT 4	10600	1294	168	43100
POINT 5	12711	1507	184	42593
POINT 6	13711	1561	191	33970
POINT 7	14976	1629	200	33589
POINT 8	23045	3000	204	34261
POINT 9	33304	3457	263	32869
POINT 10	48111	5500	271	33268
POINT 11	63810	7500	280	34033
POINT 12	85446	10000	291	0

THRUST FOR LEVEL FLIGHT	GRADIENT AT TAKE-OFF POWER	TAKE-OFF THRUST	GRADIENT AT CLIMB POWER
14610	0.216117	43044	0.136624

CLIMB THRUST	GRADIENT AT FAR36 CUTBACK	THRUST FOR ENGINE OUT LEVEL FLIGHT	VZF (KCAS)
35194	0.050483	21915	195

NUMBER OF ENGINES	RATED THRUST LB	AIRCRAFT WEIGHT (LB)	STAGE NUMBER
3	53200	405000	3

TAKEOFF SEGMENTS DATA (HEADWIND = 8 KT) 06-24-1991 10:47:15

AIRCRAFT ID NUMBER	AIRCRAFT AND ENGINE NAMES	AIRCRAFT CATEGORY
020	DC10-30/CF6-50C2	JCOM

AIRCRAFT WEIGHT	STAGE NUMBER	NUMBER OF ENGINES
436000	4	3

SEG. NO.	TYPE	FLAP	START ALT (FT)	END ALT (FT)	CALIBRATED START SPEED (KCAS)	CALIBRATED END SPEED (KCAS)	SEG. LNGTH (FT)	THRST (LB)	R/C (FPM)	GRAD
1	TKOFF	20	0	0	16	161	4609	42492	0	0.00000
2	CLIMB	20	0	1000	161	161	5251	42797	3122	0.19043
3	ACCEL	INT1	1000	1303	161	171	2365	42977	2081	0.12273
4	ACCEL	INT1	1303	1522	171	186	2453	42600	1561	0.08488
5	ACCEL	INT2	1522	1666	186	201	2756	33616	1000	0.04991
6	CLIMB	ZERO	1666	3000	201	201	9379	33758	2996	0.14220
7	ACCEL	ZERO	3000	3475	201	250	10808	33481	1000	0.04176
8	CLIMB	ZERO	3475	5500	250	250	16407	33268	3341	0.12344
9	CLIMB	ZERO	5500	7500	250	250	17588	34033	3174	0.11372
10	CLIMB	ZERO	7500	10000	250	250	24328	34798	2969	0.10276

SEG. NO.	TYPE	FLAP	THRUST TYPE	VALUE	
1	TKOFF	20	MAX TKOFF		
2	CLIMB	20	MAX TKOFF		
3	ACCEL	INT1	MAX TKOFF		
4	ACCEL	INT1	MAX TKOFF		
5	ACCEL	INT2	MAX CLIMB		
6	CLIMB	ZERO	MAX CLIMB		
7	ACCEL	ZERO	MAX CLIMB		
8	CLIMB	ZERO	USR SUPPL	33268	LB
9	CLIMB	ZERO	USR SUPPL	34033	LB
10	CLIMB	ZERO	USR SUPPL	34798	LB

TAKEOFF PROFILE DATA (HEADWIND = 8 KT) 06-24-1991 10:47:21

AIRCRAFT ID NUMBER	AIRCRAFT AND ENGINE NAMES	AIRCRAFT CATEGORY
020	DC10-30/CF6-50C2	JCOM

	DISTANCE FROM BRAKE RELEASE (FT)	HEIGHT (FT)	SPEED (KTAS)	THRUST (LB)
POINT 1	0	0	16	48631
POINT 2	4609	0	161	42492
POINT 3	9861	1000	163	43102
POINT 4	12225	1303	174	42851
POINT 5	14679	1522	190	42348
POINT 6	15679	1574	196	33801
POINT 7	17435	1666	206	33431
POINT 8	26814	3000	210	34085
POINT 9	37623	3475	263	32878
POINT 10	54030	5500	271	33268
POINT 11	71617	7500	280	34033
POINT 12	95945	10000	291	0

THRUST FOR LEVEL FLIGHT	GRADIENT AT TAKE-OFF POWER	TAKE-OFF THRUST	GRADIENT AT CLIMB POWER
15728	0.190429	42797	0.118001

CLIMB THRUST	GRADIENT AT FAR36 CUTBACK	THRUST FOR ENGINE OUT LEVEL FLIGHT	VZF (KCAS)
35023	0.050483	23592	201

NUMBER OF ENGINES	RATED THRUST LB	AIRCRAFT WEIGHT (LB)	STAGE NUMBER
3	53200	436000	4

TAKEOFF SEGMENTS DATA (HEADWIND = 8 KT) 06-24-1991 10:49:58

AIRCRAFT ID NUMBER	AIRCRAFT AND ENGINE NAMES	AIRCRAFT CATEGORY
020	DC10-30/CF6-50C2	JCOM

AIRCRAFT WEIGHT	STAGE NUMBER	NUMBER OF ENGINES
476000	5	3

SEG. NO.	TYPE	FLAP	START ALT (FT)	END ALT (FT)	CALIBRATED START SPEED (KCAS)	CALIBRATED END SPEED (KCAS)	SEG. LNGTH (FT)	THRST (LB)	R/C (FPM)	GRAD
1	TKOFF	20	0	0	16	168	5534	42186	0	0.00000
2	CLIMB	20	0	1000	168	168	6146	42491	2788	0.16272
3	ACCEL	INT1	1000	1303	168	178	2762	42675	1859	0.10492
4	ACCEL	INT1	1303	1529	178	193	2952	42305	1394	0.07287
5	ACCEL	INT2	1529	1709	193	208	3546	33423	1000	0.04815
6	CLIMB	ZERO	1709	3000	208	208	10458	33563	2693	0.12346
7	ACCEL	ZERO	3000	3498	208	250	11505	33384	1000	0.04112
8	CLIMB	ZERO	3498	5500	250	250	18618	33268	2912	0.10756
9	CLIMB	ZERO	5500	7500	250	250	20250	34033	2756	0.09877
10	CLIMB	ZERO	7500	10000	250	250	28160	34798	2565	0.08878

SEG. NO.	TYPE	FLAP	THRUST TYPE	VALUE	
1	TKOFF	20	MAX TKOFF		
2	CLIMB	20	MAX TKOFF		
3	ACCEL	INT1	MAX TKOFF		
4	ACCEL	INT1	MAX TKOFF		
5	ACCEL	INT2	MAX CLIMB		
6	CLIMB	ZERO	MAX CLIMB		
7	ACCEL	ZERO	MAX CLIMB		
8	CLIMB	ZERO	USR SUPPL	33268	LB
9	CLIMB	ZERO	USR SUPPL	34033	LB
10	CLIMB	ZERO	USR SUPPL	34798	LB

TAKEOFF PROFILE DATA (HEADWIND = 8 KT) 06-24-1991 10:50:03

AIRCRAFT ID NUMBER	AIRCRAFT AND ENGINE NAMES	AIRCRAFT CATEGORY
020	DC10-30/CF6-50C2	JCOM

	DISTANCE FROM BRAKE RELEASE (FT)	HEIGHT (FT)	SPEED (KTAS)	THRUST (LB)
POINT 1	0	0	16	48631
POINT 2	5534	0	168	42186
POINT 3	11679	1000	170	42796
POINT 4	14442	1303	181	42554
POINT 5	17394	1529	197	42056
POINT 6	18394	1580	202	33599
POINT 7	20940	1709	213	33246
POINT 8	31399	3000	217	33879
POINT 9	42903	3498	263	32889
POINT 10	61521	5500	271	33268
POINT 11	81771	7500	280	34033
POINT 12	109931	10000	291	0

THRUST FOR LEVEL FLIGHT	GRADIENT AT TAKE-OFF POWER	TAKE-OFF THRUST	GRADIENT AT CLIMB POWER
17171	0.162721	42491	0.097746

CLIMB THRUST	GRADIENT AT FAR36 CUTBACK	THRUST FOR ENGINE OUT LEVEL FLIGHT	VZF (KCAS)
34811	0.050483	25756	208

NUMBER OF ENGINES	RATED THRUST LB	AIRCRAFT WEIGHT (LB)	STAGE NUMBER
3	53200	476000	5

TAKEOFF SEGMENTS DATA (HEADWIND = 8 KT) 06-24-1991 10:52:27

AIRCRAFT ID NUMBER	AIRCRAFT AND ENGINE NAMES	AIRCRAFT CATEGORY
020	DC10-30/CF6-50C2	JCOM

AIRCRAFT WEIGHT	STAGE NUMBER	NUMBER OF ENGINES
517000	6	3

SEG. NO.	TYPE	FLAP	START ALT (FT)	END ALT (FT)	CALIBRATED START SPEED (KCAS)	CALIBRATED END SPEED (KCAS)	SEG. LNGTH (FT)	THRST (LB)	R/C (FPM)	GRAD
1	TKOFF	20	0	0	16	175	6575	41886	0	0.00000
2	CLIMB	20	0	1000	175	175	7187	42191	2484	0.13914
3	ACCEL	INT1	1000	1306	175	185	3254	42377	1656	0.08967
4	ACCEL	INT1	1306	1539	185	200	3545	42012	1242	0.06251
5	ACCEL	INT2	1539	1765	200	215	4631	33233	1000	0.04650
6	CLIMB	ZERO	1765	3000	215	215	11501	33371	2422	0.10737
7	ACCEL	ZERO	3000	3513	215	250	12036	33285	1000	0.04050
8	CLIMB	ZERO	3513	5500	250	250	21161	33268	2543	0.09392
9	CLIMB	ZERO	5500	7500	250	250	23284	34033	2397	0.08590
10	CLIMB	ZERO	7500	10000	250	250	32582	34798	2217	0.07673

SEG. NO.	TYPE	FLAP	THRUST TYPE	VALUE	
1	TKOFF	20	MAX TKOFF		
2	CLIMB	20	MAX TKOFF		
3	ACCEL	INT1	MAX TKOFF		
4	ACCEL	INT1	MAX TKOFF		
5	ACCEL	INT2	MAX CLIMB		
6	CLIMB	ZERO	MAX CLIMB		
7	ACCEL	ZERO	MAX CLIMB		
8	CLIMB	ZERO	USR SUPPL	33268	LB
9	CLIMB	ZERO	USR SUPPL	34033	LB
10	CLIMB	ZERO	USR SUPPL	34798	LB

TAKEOFF PROFILE DATA (HEADWIND = 8 KT) 06-24-1991 10:52:31

AIRCRAFT ID NUMBER	AIRCRAFT AND ENGINE NAMES	AIRCRAFT CATEGORY
020	DC10-30/CF6-50C2	JCOM

	DISTANCE FROM BRAKE RELEASE (FT)	HEIGHT (FT)	SPEED (KTAS)	THRUST (LB)
POINT 1	0	0	16	48631
POINT 2	6575	0	175	41886
POINT 3	13762	1000	178	42496
POINT 4	17016	1306	189	42259
POINT 5	20561	1539	205	41765
POINT 6	21561	1588	208	33398
POINT 7	25191	1765	221	33068
POINT 8	36692	3000	225	33673
POINT 9	48728	3513	263	32896
POINT 10	69890	5500	271	33268
POINT 11	93173	7500	280	34033
POINT 12	125755	10000	291	0

THRUST FOR LEVEL FLIGHT	GRADIENT AT TAKE-OFF POWER	TAKE-OFF THRUST	GRADIENT AT CLIMB POWER
18650	0.139140	42191	0.080382

CLIMB THRUST	GRADIENT AT FAR36 CUTBACK	THRUST FOR ENGINE OUT LEVEL FLIGHT	VZF (KCAS)
34603	0.050483	27975	215

NUMBER OF ENGINES	RATED THRUST LB	AIRCRAFT WEIGHT (LB)	STAGE NUMBER
3	53200	517000	6

TAKEOFF SEGMENTS DATA (HEADWIND = 8 KT) 06-24-1991 10:57:21

AIRCRAFT ID NUMBER	AIRCRAFT AND ENGINE NAMES	AIRCRAFT CATEGORY
020	DC10-30/CF6-50C2	JCOM

AIRCRAFT WEIGHT	STAGE NUMBER	NUMBER OF ENGINES
561000	7	3

SEG. NO.	TYPE	FLAP	START ALT (FT)	END ALT (FT)	CALIBRATED START SPEED (KCAS)	CALIBRATED END SPEED (KCAS)	SEG. LNGTH (FT)	THRST (LB)	R/C (FPM)	GRAD
1	TKOFF	20	0	0	16	182	7799	41577	0	0.00000
2	CLIMB	20	0	1000	182	182	8479	41882	2194	0.11793
3	ACCEL	INT1	1000	1302	182	192	3778	42073	1463	0.07611
4	ACCEL	INT1	1302	1542	192	207	4284	41714	1097	0.05325
5	ACCEL	INT2	1542	1838	207	222	6267	33046	1000	0.04495
6	CLIMB	ZERO	1838	3000	222	222	12517	33183	2163	0.09284
7	ACCEL	ZERO	3000	3522	222	250	12434	33184	1000	0.03989
8	CLIMB	ZERO	3522	5500	250	250	24256	33268	2208	0.08156
9	CLIMB	ZERO	5500	7500	250	250	26948	34033	2071	0.07422
10	CLIMB	ZERO	7500	10000	250	250	38000	34798	1901	0.06579

SEG. NO.	TYPE	FLAP	THRUST TYPE	VALUE	
1	TKOFF	20	MAX TKOFF		
2	CLIMB	20	MAX TKOFF		
3	ACCEL	INT1	MAX TKOFF		
4	ACCEL	INT1	MAX TKOFF		
5	ACCEL	INT2	MAX CLIMB		
6	CLIMB	ZERO	MAX CLIMB		
7	ACCEL	ZERO	MAX CLIMB		
8	CLIMB	ZERO	USR SUPPL	33268	LB
9	CLIMB	ZERO	USR SUPPL	34033	LB
10	CLIMB	ZERO	USR SUPPL	34798	LB

TAKEOFF PROFILE DATA (HEADWIND = 8 KT) 06-24-1991 10:57:26

AIRCRAFT ID NUMBER	AIRCRAFT AND ENGINE NAMES	AIRCRAFT CATEGORY
020	DC10-30/CF6-50C2	JCOM

	DISTANCE FROM BRAKE RELEASE (FT)	HEIGHT (FT)	SPEED (KTAS)	THRUST (LB)
POINT 1	0	0	16	48631
POINT 2	7799	0	182	41577
POINT 3	16279	1000	185	42187
POINT 4	20057	1302	196	41959
POINT 5	24341	1542	212	41469
POINT 6	25341	1589	214	33194
POINT 7	30608	1838	228	32898
POINT 8	43125	3000	232	33468
POINT 9	55560	3522	263	32901
POINT 10	79815	5500	271	33268
POINT 11	106764	7500	280	34033
POINT 12	144764	10000	291	0

THRUST FOR LEVEL FLIGHT	GRADIENT AT TAKE-OFF POWER	TAKE-OFF THRUST	GRADIENT AT CLIMB POWER
20237	0.117935	41882	0.064679

CLIMB THRUST	GRADIENT AT FAR36 CUTBACK	THRUST FOR ENGINE OUT LEVEL FLIGHT	VZF (KCAS)
34389	0.050483	30356	222

NUMBER OF ENGINES	RATED THRUST LB	AIRCRAFT WEIGHT (LB)	STAGE NUMBER
3	53200	561000	7

APPROACH PROFILE DATA (HEADWIND = 8 KT) 02-15-1992 13:25:47

AIRCRAFT ID NUMBER	AIRCRAFT AND ENGINE NAMES	AIRCRAFT CATEGORY
020	DC10-30/CF6-50C2	JCOM

	DISTANCE FROM RW THRESHOLD (FT)	HEIGHT (FT)	SPEED (KTAS)	THRUST (LB)	FLAPS
POINT 1	113533	6000	273	2169	ZERO
POINT 2	56289	3000	180	3002	INT2
POINT 3	27668	1500	166	6790	U 20
POINT 4	18127	1000	155	9926	D 35
POINT 5	-954	0	153	9574	D 35
POINT 6	-1346	0	145	31920	
POINT 7	-4876	0	30	5320	

NUMBER OF ENGINES	RATED THRUST LB	AIRCRAFT WEIGHT (LB)	GLIDE SLOPE
3	53200	362700	3.00

TAKEOFF SEGMENTS DATA (HEADWIND = 8 KT) 06-20-1991 16:05:04

AIRCRAFT ID NUMBER	AIRCRAFT AND ENGINE NAMES	AIRCRAFT CATEGORY
021	DC10-40/JT9D-20	JCOM

AIRCRAFT WEIGHT	STAGE NUMBER	NUMBER OF ENGINES
364000	1	3

SEG. NO.	TYPE	FLAP	START ALT (FT)	END ALT (FT)	CALIBRATED START SPEED (KCAS)	CALIBRATED END SPEED (KCAS)	SEG. LNGTH (FT)	THRST (LB)	R/C (FPM)	GRAD
1	TKOFF	15	0	0	16	165	4669	37925	0	0.00000
2	CLIMB	15	0	1000	165	165	4962	37885	3383	0.20155
3	ACCEL	15	1000	1399	165	175	2942	37713	2255	0.12995
4	ACCEL	5	1399	1595	175	190	2077	37405	1692	0.08992
5	ACCEL	INT	1595	1705	190	205	2154	31447	1000	0.04886
6	CLIMB	ZERO	1705	3000	205	205	7592	31318	3665	0.17050
7	ACCEL	ZERO	3000	3335	205	250	7694	30989	1000	0.04144
8	CLIMB	ZERO	3335	5500	250	250	14567	30641	4018	0.14860
9	CLIMB	ZERO	5500	7500	250	250	15130	30550	3689	0.13219
10	CLIMB	ZERO	7500	10000	250	250	21585	30453	3347	0.11582

SEG. NO.	TYPE	FLAP	THRUST TYPE	VALUE
1	TKOFF	15	MAX TKOFF	
2	CLIMB	15	MAX TKOFF	
3	ACCEL	15	MAX TKOFF	
4	ACCEL	5	MAX TKOFF	
5	ACCEL	INT	MAX CLIMB	
6	CLIMB	ZERO	MAX CLIMB	
7	ACCEL	ZERO	MAX CLIMB	
8	CLIMB	ZERO	MAX CLIMB	
9	CLIMB	ZERO	MAX CLIMB	
10	CLIMB	ZERO	MAX CLIMB	

TAKEOFF PROFILE DATA (HEADWIND = 8 KT) 06-20-1991 16:05:06

AIRCRAFT ID NUMBER	AIRCRAFT AND ENGINE NAMES	AIRCRAFT CATEGORY
021	DC10-40/JT9D-20	JCOM

	DISTANCE FROM BRAKE RELEASE (FT)	HEIGHT (FT)	SPEED (KTAS)	THRUST (LB)
POINT 1	0	0	16	41238
POINT 2	4669	0	165	37925
POINT 3	9630	1000	167	37846
POINT 4	12572	1399	179	37580
POINT 5	14649	1595	195	37230
POINT 6	15649	1646	202	31547
POINT 7	16803	1705	210	31347
POINT 8	24395	3000	214	31289
POINT 9	32089	3335	263	30689
POINT 10	46656	5500	271	30593
POINT 11	61786	7500	280	30506
POINT 12	83371	10000	291	0

THRUST FOR LEVEL FLIGHT	GRADIENT AT TAKE-OFF POWER	TAKE-OFF THRUST	GRADIENT AT CLIMB POWER
14020	0.201545	37885	0.130922

CLIMB THRUST	GRADIENT AT FAR36 CUTBACK	THRUST FOR ENGINE OUT LEVEL FLIGHT	VZF (KCAS)
31837	0.053912	21030	205

NUMBER OF ENGINES	RATED THRUST LB	AIRCRAFT WEIGHT (LB)	STAGE NUMBER
3	49400	364000	1

TAKEOFF SEGMENTS DATA (HEADWIND = 8 KT) 06-20-1991 16:06:33

AIRCRAFT ID NUMBER	AIRCRAFT AND ENGINE NAMES	AIRCRAFT CATEGORY
021	DC10-40/JT9D-20	JCOM

AIRCRAFT WEIGHT	STAGE NUMBER	NUMBER OF ENGINES
379000	2	3

SEG. NO.	TYPE	FLAP	START ALT (FT)	END ALT (FT)	CALIBRATED START SPEED (KCAS)	CALIBRATED END SPEED (KCAS)	SEG. LNGTH (FT)	THRST (LB)	R/C (FPM)	GRAD
1	TKOFF	15	0	0	16	168	5071	37850	0	0.00000
2	CLIMB	15	0	1000	168	168	5320	37810	3219	0.18796
3	ACCEL	15	1000	1394	168	178	3111	37642	2146	0.12127
4	ACCEL	5	1394	1591	178	193	2230	37339	1610	0.08414
5	ACCEL	INT	1591	1711	193	208	2368	31408	1000	0.04812
6	CLIMB	ZERO	1711	3000	208	208	8011	31279	3510	0.16092
7	ACCEL	ZERO	3000	3337	208	250	7792	30969	1000	0.04117
8	CLIMB	ZERO	3337	5500	250	250	15418	30641	3792	0.14026
9	CLIMB	ZERO	5500	7500	250	250	16057	30550	3476	0.12456
10	CLIMB	ZERO	7500	10000	250	250	22961	30453	3146	0.10888

SEG. NO.	TYPE	FLAP	THRUST TYPE	VALUE
1	TKOFF	15	MAX TKOFF	
2	CLIMB	15	MAX TKOFF	
3	ACCEL	15	MAX TKOFF	
4	ACCEL	5	MAX TKOFF	
5	ACCEL	INT	MAX CLIMB	
6	CLIMB	ZERO	MAX CLIMB	
7	ACCEL	ZERO	MAX CLIMB	
8	CLIMB	ZERO	MAX CLIMB	
9	CLIMB	ZERO	MAX CLIMB	
10	CLIMB	ZERO	MAX CLIMB	

TAKEOFF PROFILE DATA (HEADWIND = 8 KT) 06-20-1991 16:06:37

AIRCRAFT ID NUMBER	AIRCRAFT AND ENGINE NAMES	AIRCRAFT CATEGORY
021	DC10-40/JT9D-20	JCOM

	DISTANCE FROM BRAKE RELEASE (FT)	HEIGHT (FT)	SPEED (KTAS)	THRUST (LB)
POINT 1	0	0	16	41238
POINT 2	5071	0	168	37850
POINT 3	10392	1000	170	37771
POINT 4	13503	1394	182	37514
POINT 5	15732	1591	198	37164
POINT 6	16732	1642	204	31508
POINT 7	18100	1711	213	31308
POINT 8	26111	3000	217	31250
POINT 9	33903	3337	263	30689
POINT 10	49321	5500	271	30593
POINT 11	65378	7500	280	30506
POINT 12	88339	10000	291	0

THRUST FOR LEVEL FLIGHT	GRADIENT AT TAKE-OFF POWER	TAKE-OFF THRUST	GRADIENT AT CLIMB POWER
14598	0.187961	37810	0.120791

CLIMB THRUST	GRADIENT AT FAR36 CUTBACK	THRUST FOR ENGINE OUT LEVEL FLIGHT	VZF (KCAS)
31793	0.053912	21897	208

NUMBER OF ENGINES	RATED THRUST LB	AIRCRAFT WEIGHT (LB)	STAGE NUMBER
3	49400	379000	2

TAKEOFF SEGMENTS DATA (HEADWIND = 8 KT) 06-20-1991 16:08:00

AIRCRAFT ID NUMBER	AIRCRAFT AND ENGINE NAMES	AIRCRAFT CATEGORY
021	DC10-40/JT9D-20	JCOM

AIRCRAFT WEIGHT	STAGE NUMBER	NUMBER OF ENGINES
393000	3	3

SEG. NO.	TYPE	FLAP	START ALT (FT)	END ALT (FT)	CALIBRATED START SPEED (KCAS)	CALIBRATED END SPEED (KCAS)	SEG. LNGTH (FT)	THRST (LB)	R/C (FPM)	GRAD
1	TKOFF	15	0	0	16	171	5463	37781	0	0.00000
2	CLIMB	15	0	1000	171	171	5672	37742	3075	0.17631
3	ACCEL	15	1000	1400	171	181	3361	37574	2050	0.11375
4	ACCEL	5	1400	1597	181	196	2383	37271	1538	0.07906
5	ACCEL	INT	1597	1727	196	211	2589	31369	1000	0.04741
6	CLIMB	ZERO	1727	3000	211	211	8345	31240	3377	0.15261
7	ACCEL	ZERO	3000	3336	211	250	7807	30950	1000	0.04091
8	CLIMB	ZERO	3336	5500	250	250	16260	30641	3599	0.13309
9	CLIMB	ZERO	5500	7500	250	250	16952	30550	3293	0.11798
10	CLIMB	ZERO	7500	10000	250	250	24297	30453	2973	0.10289

SEG. NO.	TYPE	FLAP	THRUST TYPE	VALUE
1	TKOFF	15	MAX TKOFF	
2	CLIMB	15	MAX TKOFF	
3	ACCEL	15	MAX TKOFF	
4	ACCEL	5	MAX TKOFF	
5	ACCEL	INT	MAX CLIMB	
6	CLIMB	ZERO	MAX CLIMB	
7	ACCEL	ZERO	MAX CLIMB	
8	CLIMB	ZERO	MAX CLIMB	
9	CLIMB	ZERO	MAX CLIMB	
10	CLIMB	ZERO	MAX CLIMB	

TAKEOFF PROFILE DATA (HEADWIND = 8 KT) 06-20-1991 16:08:02

AIRCRAFT ID NUMBER	AIRCRAFT AND ENGINE NAMES	AIRCRAFT CATEGORY
021	DC10-40/JT9D-20	JCOM

	DISTANCE FROM BRAKE RELEASE (FT)	HEIGHT (FT)	SPEED (KTAS)	THRUST (LB)
POINT 1	0	0	16	41238
POINT 2	5463	0	171	37781
POINT 3	11135	1000	173	37702
POINT 4	14495	1400	185	37447
POINT 5	16878	1597	201	37096
POINT 6	17878	1647	207	31469
POINT 7	19467	1727	216	31268
POINT 8	27812	3000	221	31211
POINT 9	35619	3336	263	30689
POINT 10	51879	5500	271	30593
POINT 11	68831	7500	280	30506
POINT 12	93128	10000	291	0

THRUST FOR LEVEL FLIGHT	GRADIENT AT TAKE-OFF POWER	TAKE-OFF THRUST	GRADIENT AT CLIMB POWER
15137	0.176309	37742	0.112069

CLIMB THRUST	GRADIENT AT FAR36 CUTBACK	THRUST FOR ENGINE OUT LEVEL FLIGHT	VZF (KCAS)
31753	0.053912	22706	211

NUMBER OF ENGINES	RATED THRUST LB	AIRCRAFT WEIGHT (LB)	STAGE NUMBER
3	49400	393000	3

TAKEOFF SEGMENTS DATA (HEADWIND = 8 KT) 06-20-1991 16:09:25

AIRCRAFT ID NUMBER	AIRCRAFT AND ENGINE NAMES	AIRCRAFT CATEGORY
021	DC10-40/JT9D-20	JCOM

AIRCRAFT WEIGHT	STAGE NUMBER	NUMBER OF ENGINES
423000	4	3

SEG. NO.	TYPE	FLAP	START ALT (FT)	END ALT (FT)	CALIBRATED START SPEED (KCAS)	CALIBRATED END SPEED (KCAS)	SEG. LNGTH (FT)	THRST (LB)	R/C (FPM)	GRAD
1	TKOFF	15	0	0	16	177	6353	37639	0	0.00000
2	CLIMB	15	0	1000	177	177	6487	37599	2789	0.15416
3	ACCEL	15	1000	1401	177	187	3853	37436	1859	0.09949
4	ACCEL	5	1401	1600	187	202	2727	37137	1395	0.06944
5	ACCEL	INT	1600	1752	202	217	3128	31290	1000	0.04603
6	CLIMB	ZERO	1752	3000	217	217	9125	31161	3114	0.13681
7	ACCEL	ZERO	3000	3330	217	250	7761	30911	1000	0.04038
8	CLIMB	ZERO	3330	5500	250	250	18178	30641	3228	0.11939
9	CLIMB	ZERO	5500	7500	250	250	18976	30550	2941	0.10540
10	CLIMB	ZERO	7500	10000	250	250	27344	30453	2642	0.09143

SEG. NO.	TYPE	FLAP	THRUST TYPE	VALUE
1	TKOFF	15	MAX TKOFF	
2	CLIMB	15	MAX TKOFF	
3	ACCEL	15	MAX TKOFF	
4	ACCEL	5	MAX TKOFF	
5	ACCEL	INT	MAX CLIMB	
6	CLIMB	ZERO	MAX CLIMB	
7	ACCEL	ZERO	MAX CLIMB	
8	CLIMB	ZERO	MAX CLIMB	
9	CLIMB	ZERO	MAX CLIMB	
10	CLIMB	ZERO	MAX CLIMB	

TAKEOFF PROFILE DATA (HEADWIND = 8 KT) 06-20-1991 16:09:28

AIRCRAFT ID NUMBER	AIRCRAFT AND ENGINE NAMES	AIRCRAFT CATEGORY
021	DC10-40/JT9D-20	JCOM

	DISTANCE FROM BRAKE RELEASE (FT)	HEIGHT (FT)	SPEED (KTAS)	THRUST (LB)
POINT 1	0	0	16	41238
POINT 2	6353	0	177	37639
POINT 3	12840	1000	180	37559
POINT 4	16692	1401	191	37313
POINT 5	19419	1600	207	36962
POINT 6	20419	1649	212	31391
POINT 7	22546	1752	223	31189
POINT 8	31671	3000	227	31133
POINT 9	39432	3330	263	30689
POINT 10	57610	5500	271	30593
POINT 11	76586	7500	280	30506
POINT 12	103930	10000	291	0

THRUST FOR LEVEL FLIGHT	GRADIENT AT TAKE-OFF POWER	TAKE-OFF THRUST	GRADIENT AT CLIMB POWER
16293	0.154158	37599	0.095406

CLIMB THRUST	GRADIENT AT FAR36 CUTBACK	THRUST FOR ENGINE OUT LEVEL FLIGHT	VZF (KCAS)
31670	0.053912	24439	217

NUMBER OF ENGINES	RATED THRUST LB	AIRCRAFT WEIGHT (LB)	STAGE NUMBER
3	49400	423000	4

TAKEOFF SEGMENTS DATA (HEADWIND = 8 KT) 06-20-1991 16:10:42

AIRCRAFT ID NUMBER	AIRCRAFT AND ENGINE NAMES	AIRCRAFT CATEGORY
021	DC10-40/JT9D-20	JCOM

AIRCRAFT WEIGHT	STAGE NUMBER	NUMBER OF ENGINES
462000	5	3

SEG. NO.	TYPE	FLAP	START ALT (FT)	END ALT (FT)	CALIBRATED START SPEED (KCAS)	CALIBRATED END SPEED (KCAS)	SEG. LNGTH (FT)	THRST (LB)	R/C (FPM)	GRAD
1	TKOFF	15	0	0	16	185	7614	37460	0	0.00000
2	CLIMB	15	0	1000	185	185	7694	37420	2458	0.12996
3	ACCEL	15	1000	1429	185	195	4875	37256	1639	0.08389
4	ACCEL	5	1429	1628	195	210	3234	36957	1229	0.05870
5	ACCEL	INT	1628	1816	210	225	4021	31184	1000	0.04431
6	CLIMB	ZERO	1816	3000	225	225	9924	31056	2817	0.11933
7	ACCEL	ZERO	3000	3303	225	250	7248	30860	1000	0.03971
8	CLIMB	ZERO	3303	5500	250	250	21051	30642	2821	0.10438
9	CLIMB	ZERO	5500	7500	250	250	21849	30550	2555	0.09154
10	CLIMB	ZERO	7500	10000	250	250	31729	30453	2277	0.07879

SEG. NO.	TYPE	FLAP	THRUST TYPE	VALUE
1	TKOFF	15	MAX TKOFF	
2	CLIMB	15	MAX TKOFF	
3	ACCEL	15	MAX TKOFF	
4	ACCEL	5	MAX TKOFF	
5	ACCEL	INT	MAX CLIMB	
6	CLIMB	ZERO	MAX CLIMB	
7	ACCEL	ZERO	MAX CLIMB	
8	CLIMB	ZERO	MAX CLIMB	
9	CLIMB	ZERO	MAX CLIMB	
10	CLIMB	ZERO	MAX CLIMB	

TAKEOFF PROFILE DATA (HEADWIND = 8 KT) 06-20-1991 16:10:47

AIRCRAFT ID NUMBER	AIRCRAFT AND ENGINE NAMES	AIRCRAFT CATEGORY
021	DC10-40/JT9D-20	JCOM

	DISTANCE FROM BRAKE RELEASE (FT)	HEIGHT (FT)	SPEED (KTAS)	THRUST (LB)
POINT 1	0	0	16	41238
POINT 2	7614	0	185	37460
POINT 3	15309	1000	188	37381
POINT 4	20184	1429	199	37132
POINT 5	23418	1628	215	36782
POINT 6	24418	1675	219	31286
POINT 7	27439	1816	231	31083
POINT 8	37363	3000	235	31029
POINT 9	44611	3303	263	30691
POINT 10	65662	5500	271	30593
POINT 11	87511	7500	280	30506
POINT 12	119240	10000	291	0

THRUST FOR LEVEL FLIGHT	GRADIENT AT TAKE-OFF POWER	TAKE-OFF THRUST	GRADIENT AT CLIMB POWER
17795	0.129964	37420	0.077096

CLIMB THRUST	GRADIENT AT FAR36 CUTBACK	THRUST FOR ENGINE OUT LEVEL FLIGHT	VZF (KCAS)
31566	0.053912	26692	225

NUMBER OF ENGINES	RATED THRUST LB	AIRCRAFT WEIGHT (LB)	STAGE NUMBER
3	49400	462000	5

TAKEOFF SEGMENTS DATA (HEADWIND = 8 KT) 06-20-1991 16:12:16

AIRCRAFT ID NUMBER	AIRCRAFT AND ENGINE NAMES	AIRCRAFT CATEGORY
021	DC10-40/JT9D-20	JCOM

AIRCRAFT WEIGHT	STAGE NUMBER	NUMBER OF ENGINES
502000	6	3

SEG. NO.	TYPE	FLAP	START ALT (FT)	END ALT (FT)	CALIBRATED START SPEED (KCAS)	CALIBRATED END SPEED (KCAS)	SEG. LNGTH (FT)	THRST (LB)	R/C (FPM)	GRAD
1	TKOFF	15	0	0	16	193	9032	37285	0	0.00000
2	CLIMB	15	0	1000	193	193	9151	37245	2154	0.10928
3	ACCEL	15	1000	1466	193	203	6300	37078	1436	0.07046
4	ACCEL	5	1466	1665	203	218	3822	36775	1077	0.04943
5	ACCEL	INT	1665	1900	218	233	5246	31078	1000	0.04269
6	CLIMB	ZERO	1900	3000	233	233	10547	30950	2551	0.10426
7	ACCEL	ZERO	3000	3252	233	250	6122	30809	1000	0.03907
8	CLIMB	ZERO	3252	5500	250	250	24566	30643	2473	0.09153
9	CLIMB	ZERO	5500	7500	250	250	25126	30550	2221	0.07960
10	CLIMB	ZERO	7500	10000	250	250	36817	30453	1962	0.06790

SEG. NO.	TYPE	FLAP	THRUST TYPE	VALUE
1	TKOFF	15	MAX TKOFF	
2	CLIMB	15	MAX TKOFF	
3	ACCEL	15	MAX TKOFF	
4	ACCEL	5	MAX TKOFF	
5	ACCEL	INT	MAX CLIMB	
6	CLIMB	ZERO	MAX CLIMB	
7	ACCEL	ZERO	MAX CLIMB	
8	CLIMB	ZERO	MAX CLIMB	
9	CLIMB	ZERO	MAX CLIMB	
10	CLIMB	ZERO	MAX CLIMB	

TAKEOFF PROFILE DATA (HEADWIND = 8 KT) 06-20-1991 16:12:19

AIRCRAFT ID NUMBER	AIRCRAFT AND ENGINE NAMES	AIRCRAFT CATEGORY
021	DC10-40/JT9D-20	JCOM

	DISTANCE FROM BRAKE RELEASE (FT)	HEIGHT (FT)	SPEED (KTAS)	THRUST (LB)
POINT 1	0	0	16	41238
POINT 2	9032	0	193	37285
POINT 3	18183	1000	196	37206
POINT 4	24483	1466	207	36951
POINT 5	28305	1665	223	36600
POINT 6	29305	1710	226	31180
POINT 7	33551	1900	240	30975
POINT 8	44098	3000	244	30925
POINT 9	50220	3252	262	30693
POINT 10	74786	5500	271	30593
POINT 11	99912	7500	280	30506
POINT 12	136729	10000	291	0

THRUST FOR LEVEL FLIGHT	GRADIENT AT TAKE-OFF POWER	TAKE-OFF THRUST	GRADIENT AT CLIMB POWER
19335	0.109282	37245	0.061359

CLIMB THRUST	GRADIENT AT FAR36 CUTBACK	THRUST FOR ENGINE OUT LEVEL FLIGHT	VZF (KCAS)
31464	0.053912	29003	233

NUMBER OF ENGINES	RATED THRUST LB	AIRCRAFT WEIGHT (LB)	STAGE NUMBER
3	49400	502000	6

TAKEOFF SEGMENTS DATA (HEADWIND = 8 KT) 06-20-1991 16:13:41

AIRCRAFT ID NUMBER	AIRCRAFT AND ENGINE NAMES	AIRCRAFT CATEGORY
021	DC10-40/JT9D-20	JCOM

AIRCRAFT WEIGHT	STAGE NUMBER	NUMBER OF ENGINES
544000	7	3

SEG. NO.	TYPE	FLAP	START ALT (FT)	END ALT (FT)	CALIBRATED START SPEED (KCAS)	CALIBRATED END SPEED (KCAS)	SEG. LNGTH (FT)	THRST (LB)	R/C (FPM)	GRAD
1	TKOFF	15	0	0	16	201	10657	37108	0	0.00000
2	CLIMB	15	0	1000	201	201	11689	37068	1755	0.08555
3	ACCEL	15	1000	1402	201	211	6931	36903	1170	0.05517
4	ACCEL	5	1402	1577	211	226	4275	36603	878	0.03885
5	ACCEL	INT	1577	1776	226	241	5731	30979	800	0.03303
6	CLIMB	ZERO	1776	3000	241	241	13376	30849	2314	0.09153
7	ACCEL	ZERO	3000	3113	241	250	3493	30760	800	0.03077
8	CLIMB	ZERO	3113	5500	250	250	29714	30646	2168	0.08033
9	CLIMB	ZERO	5500	7500	250	250	28993	30550	1925	0.06898
10	CLIMB	ZERO	7500	10000	250	250	42946	30453	1682	0.05821

SEG. NO.	TYPE	FLAP	THRUST TYPE	VALUE
1	TKOFF	15	MAX TKOFF	
2	CLIMB	15	MAX TKOFF	
3	ACCEL	15	MAX TKOFF	
4	ACCEL	5	MAX TKOFF	
5	ACCEL	INT	MAX CLIMB	
6	CLIMB	ZERO	MAX CLIMB	
7	ACCEL	ZERO	MAX CLIMB	
8	CLIMB	ZERO	MAX CLIMB	
9	CLIMB	ZERO	MAX CLIMB	
10	CLIMB	ZERO	MAX CLIMB	

TAKEOFF PROFILE DATA (HEADWIND = 8 KT) 06-20-1991 16:13:45

AIRCRAFT ID NUMBER	AIRCRAFT AND ENGINE NAMES	AIRCRAFT CATEGORY
021	DC10-40/JT9D-20	JCOM

	DISTANCE FROM BRAKE RELEASE (FT)	HEIGHT (FT)	SPEED (KTAS)	THRUST (LB)
POINT 1	0	0	16	41238
POINT 2	10657	0	201	37108
POINT 3	22346	1000	204	37029
POINT 4	29277	1402	215	36777
POINT 5	33552	1577	231	36429
POINT 6	34552	1611	234	31081
POINT 7	39283	1776	247	30877
POINT 8	52660	3000	252	30821
POINT 9	56152	3113	262	30699
POINT 10	85866	5500	271	30593
POINT 11	114859	7500	280	30506
POINT 12	157805	10000	291	0

THRUST FOR LEVEL FLIGHT	GRADIENT AT TAKE-OFF POWER	TAKE-OFF THRUST	GRADIENT AT CLIMB POWER
20953	0.085550	37068	0.044566

CLIMB THRUST	GRADIENT AT FAR36 CUTBACK	THRUST FOR ENGINE OUT LEVEL FLIGHT	VZF (KCAS)
31361	0.050701	31430	241

NUMBER OF ENGINES	RATED THRUST LB	AIRCRAFT WEIGHT (LB)	STAGE NUMBER
3	49400	544000	7

APPROACH PROFILE DATA (HEADWIND = 8 KT) 02-15-1992 13:28:36

AIRCRAFT ID NUMBER	AIRCRAFT AND ENGINE NAMES	AIRCRAFT CATEGORY
021	DC10-40/JT9D-20	JCOM

	DISTANCE FROM RW THRESHOLD (FT)	HEIGHT (FT)	SPEED (KTAS)	THRUST (LB)	FLAPS
POINT 1	113533	6000	273	1390	ZERO
POINT 2	56289	3000	181	4275	5
POINT 3	27668	1500	167	8094	U 35
POINT 4	18127	1000	156	8812	D 35
POINT 5	-954	0	153	8500	D 35
POINT 6	-1400	0	146	29640	
POINT 7	-5418	0	30	4940	

NUMBER OF ENGINES	RATED THRUST LB	AIRCRAFT WEIGHT (LB)	GLIDE SLOPE
3	49400	362700	3.00

TAKEOFF SEGMENTS DATA (HEADWIND = 8 KT) 06-21-1991 15:45:05

AIRCRAFT ID NUMBER	AIRCRAFT AND ENGINE NAMES	AIRCRAFT CATEGORY
022	L1011/RB211-22B	JCOM

AIRCRAFT WEIGHT	STAGE NUMBER	NUMBER OF ENGINES
330000	1	3

SEG. NO.	TYPE	FLAP	START ALT (FT)	END ALT (FT)	CALIBRATED START SPEED (KCAS)	CALIBRATED END SPEED (KCAS)	SEG. LNGTH (FT)	THRST (LB)	R/C (FPM)	GRAD
1	TKOFF	10	0	0	16	152	5052	32770	0	0.00000
2	CLIMB	10	0	1000	152	152	4833	32931	3218	0.20693
3	ACCEL	10	1000	1324	152	162	2323	32897	2145	0.13363
4	ACCEL	INTR	1324	1600	162	182	2900	32223	1609	0.09077
5	ACCEL	INTR	1600	1794	182	202	3685	26256	1000	0.05022
6	CLIMB	ZERO	1794	3000	202	202	8135	26013	3141	0.14819
7	ACCEL	ZERO	3000	3457	202	250	10418	25195	1000	0.04168
8	CLIMB	ZERO	3457	5500	250	250	16874	24501	3277	0.12110
9	CLIMB	ZERO	5500	7500	250	250	17894	25092	3119	0.11177
10	CLIMB	ZERO	7500	10000	250	250	24552	25769	2942	0.10182

SEG. NO.	TYPE	FLAP	THRUST TYPE	VALUE
1	TKOFF	10	MAX TKOFF	
2	CLIMB	10	MAX TKOFF	
3	ACCEL	10	MAX TKOFF	
4	ACCEL	INTR	MAX TKOFF	
5	ACCEL	INTR	MAX CLIMB	
6	CLIMB	ZERO	MAX CLIMB	
7	ACCEL	ZERO	MAX CLIMB	
8	CLIMB	ZERO	MAX CLIMB	
9	CLIMB	ZERO	MAX CLIMB	
10	CLIMB	ZERO	MAX CLIMB	

TAKEOFF PROFILE DATA (HEADWIND = 8 KT) 06-21-1991 15:45:07

AIRCRAFT ID NUMBER	AIRCRAFT AND ENGINE NAMES	AIRCRAFT CATEGORY
022	L1011/RB211-22B	JCOM

	DISTANCE FROM BRAKE RELEASE (FT)	HEIGHT (FT)	SPEED (KTAS)	THRUST (LB)
POINT 1	0	0	16	39885
POINT 2	5052	0	152	32770
POINT 3	9885	1000	155	33094
POINT 4	12208	1324	165	32700
POINT 5	15108	1600	186	31747
POINT 6	16108	1653	192	26667
POINT 7	18794	1794	207	25845
POINT 8	26929	3000	211	26182
POINT 9	37347	3457	263	24209
POINT 10	54220	5500	271	24798
POINT 11	72114	7500	280	25390
POINT 12	96666	10000	291	0

THRUST FOR LEVEL FLIGHT	GRADIENT AT TAKE-OFF POWER	TAKE-OFF THRUST	GRADIENT AT CLIMB POWER
10690	0.206927	32931	0.143663

CLIMB THRUST	GRADIENT AT FAR36 CUTBACK	THRUST FOR ENGINE OUT LEVEL FLIGHT	VZF (KCAS)
28215	0.045325	16036	202

NUMBER OF ENGINES	RATED THRUST LB	AIRCRAFT WEIGHT (LB)	STAGE NUMBER
3	42000	330000	1

TAKEOFF SEGMENTS DATA (HEADWIND = 8 KT) 06-21-1991 15:46:34

AIRCRAFT ID NUMBER	AIRCRAFT AND ENGINE NAMES	AIRCRAFT CATEGORY
022	L1011/RB211-22B	JCOM

AIRCRAFT WEIGHT	STAGE NUMBER	NUMBER OF ENGINES
340000	2	3

SEG. NO.	TYPE	FLAP	START ALT (FT)	END ALT (FT)	CALIBRATED START SPEED (KCAS)	CALIBRATED END SPEED (KCAS)	SEG. LNGTH (FT)	THRST (LB)	R/C (FPM)	GRAD
1	TKOFF	10	0	0	16	155	5383	32650	0	0.00000
2	CLIMB	10	0	1000	155	155	5088	32812	3102	0.19654
3	ACCEL	10	1000	1352	155	165	2666	32763	2068	0.12655
4	ACCEL	INTR	1352	1631	165	185	3097	32077	1551	0.08593
5	ACCEL	INTR	1631	1843	185	205	4063	26136	1000	0.04942
6	CLIMB	ZERO	1843	3000	205	205	8222	25888	3029	0.14077
7	ACCEL	ZERO	3000	3458	205	250	10513	25130	1000	0.04140
8	CLIMB	ZERO	3458	5500	250	250	17650	24501	3131	0.11570
9	CLIMB	ZERO	5500	7500	250	250	18749	25092	2977	0.10667
10	CLIMB	ZERO	7500	10000	250	250	25765	25769	2804	0.09703

SEG. NO.	TYPE	FLAP	THRUST TYPE	VALUE
1	TKOFF	10	MAX TKOFF	
2	CLIMB	10	MAX TKOFF	
3	ACCEL	10	MAX TKOFF	
4	ACCEL	INTR	MAX TKOFF	
5	ACCEL	INTR	MAX CLIMB	
6	CLIMB	ZERO	MAX CLIMB	
7	ACCEL	ZERO	MAX CLIMB	
8	CLIMB	ZERO	MAX CLIMB	
9	CLIMB	ZERO	MAX CLIMB	
10	CLIMB	ZERO	MAX CLIMB	

TAKEOFF PROFILE DATA (HEADWIND = 8 KT) 06-21-1991 15:46:37

AIRCRAFT ID NUMBER	AIRCRAFT AND ENGINE NAMES	AIRCRAFT CATEGORY
022	L1011/RB211-22B	JCOM

	DISTANCE FROM BRAKE RELEASE (FT)	HEIGHT (FT)	SPEED (KTAS)	THRUST (LB)
POINT 1	0	0	16	39885
POINT 2	5383	0	155	32650
POINT 3	10471	1000	157	32974
POINT 4	13137	1352	168	32552
POINT 5	16234	1631	189	31601
POINT 6	17234	1683	195	26545
POINT 7	20297	1843	211	25727
POINT 8	28519	3000	214	26051
POINT 9	39032	3458	263	24209
POINT 10	56682	5500	271	24798
POINT 11	75432	7500	280	25390
POINT 12	101197	10000	291	0

THRUST FOR LEVEL FLIGHT	GRADIENT AT TAKE-OFF POWER	TAKE-OFF THRUST	GRADIENT AT CLIMB POWER
11014	0.196544	32812	0.135660

CLIMB THRUST	GRADIENT AT FAR36 CUTBACK	THRUST FOR ENGINE OUT LEVEL FLIGHT	VZF (KCAS)
28114	0.045325	16522	205

NUMBER OF ENGINES	RATED THRUST LB	AIRCRAFT WEIGHT (LB)	STAGE NUMBER
3	42000	340000	2

TAKEOFF SEGMENTS DATA (HEADWIND = 8 KT) 06-21-1991 15:48:22

AIRCRAFT ID NUMBER	AIRCRAFT AND ENGINE NAMES	AIRCRAFT CATEGORY
022	L1011/RB211-22B	JCOM

AIRCRAFT WEIGHT	STAGE NUMBER	NUMBER OF ENGINES
355000	3	3

SEG. NO.	TYPE	FLAP	START ALT (FT)	END ALT (FT)	CALIBRATED START SPEED (KCAS)	CALIBRATED END SPEED (KCAS)	SEG. LNGTH (FT)	THRST (LB)	R/C (FPM)	GRAD
1	TKOFF	10	0	0	16	158	5900	32474	0	0.00000
2	CLIMB	10	0	1000	158	158	5489	32635	2938	0.18219
3	ACCEL	10	1000	1347	158	168	2828	32596	1959	0.11742
4	ACCEL	INTR	1347	1630	168	188	3371	31919	1469	0.07998
5	ACCEL	INTR	1630	1868	188	208	4649	26008	1000	0.04866
6	CLIMB	ZERO	1868	3000	208	208	8636	25760	2862	0.13109
7	ACCEL	ZERO	3000	3472	208	250	10921	25066	1000	0.04113
8	CLIMB	ZERO	3472	5500	250	250	18744	24503	2928	0.10817
9	CLIMB	ZERO	5500	7500	250	250	20086	25092	2779	0.09957
10	CLIMB	ZERO	7500	10000	250	250	27668	25769	2611	0.09036

SEG. NO.	TYPE	FLAP	THRUST TYPE	VALUE
1	TKOFF	10	MAX TKOFF	
2	CLIMB	10	MAX TKOFF	
3	ACCEL	10	MAX TKOFF	
4	ACCEL	INTR	MAX TKOFF	
5	ACCEL	INTR	MAX CLIMB	
6	CLIMB	ZERO	MAX CLIMB	
7	ACCEL	ZERO	MAX CLIMB	
8	CLIMB	ZERO	MAX CLIMB	
9	CLIMB	ZERO	MAX CLIMB	
10	CLIMB	ZERO	MAX CLIMB	

TAKEOFF PROFILE DATA (HEADWIND = 8 KT) 06-21-1991 15:48:25

AIRCRAFT ID NUMBER	AIRCRAFT AND ENGINE NAMES	AIRCRAFT CATEGORY
022	L1011/RB211-22B	JCOM

	DISTANCE FROM BRAKE RELEASE (FT)	HEIGHT (FT)	SPEED (KTAS)	THRUST (LB)
POINT 1	0	0	16	39885
POINT 2	5900	0	158	32474
POINT 3	11389	1000	160	32798
POINT 4	14217	1347	171	32394
POINT 5	17588	1630	193	31444
POINT 6	18588	1681	197	26413
POINT 7	22237	1868	214	25603
POINT 8	30873	3000	217	25920
POINT 9	41794	3472	263	24213
POINT 10	60539	5500	271	24798
POINT 11	80625	7500	280	25390
POINT 12	108294	10000	291	0

THRUST FOR LEVEL FLIGHT	GRADIENT AT TAKE-OFF POWER	TAKE-OFF THRUST	GRADIENT AT CLIMB POWER
11500	0.182194	32635	0.124565

CLIMB THRUST	GRADIENT AT FAR36 CUTBACK	THRUST FOR ENGINE OUT LEVEL FLIGHT	VZF (KCAS)
27966	0.045325	17251	208

NUMBER OF ENGINES	RATED THRUST LB	AIRCRAFT WEIGHT (LB)	STAGE NUMBER
3	42000	355000	3

TAKEOFF SEGMENTS DATA (HEADWIND = 8 KT) 06-21-1991 15:50:25

AIRCRAFT ID NUMBER	AIRCRAFT AND ENGINE NAMES	AIRCRAFT CATEGORY
022	L1011/RB211-22B	JCOM

AIRCRAFT WEIGHT	STAGE NUMBER	NUMBER OF ENGINES
370000	4	3

SEG. NO.	TYPE	FLAP	START ALT (FT)	END ALT (FT)	CALIBRATED START SPEED (KCAS)	CALIBRATED END SPEED (KCAS)	SEG. LNGTH (FT)	THRST (LB)	R/C (FPM)	GRAD
1	TKOFF	10	0	0	16	161	6443	32302	0	0.00000
2	CLIMB	10	0	1000	161	161	5912	32463	2785	0.16913
3	ACCEL	10	1000	1344	161	171	3016	32431	1857	0.10909
4	ACCEL	INTR	1344	1631	171	191	3668	31762	1393	0.07455
5	ACCEL	INTR	1631	1900	191	211	5341	25881	1000	0.04792
6	CLIMB	ZERO	1900	3000	211	211	8998	25633	2707	0.12220
7	ACCEL	ZERO	3000	3486	211	250	11302	25002	1000	0.04086
8	CLIMB	ZERO	3486	5500	250	250	19891	24505	2741	0.10127
9	CLIMB	ZERO	5500	7500	250	250	21492	25092	2597	0.09306
10	CLIMB	ZERO	7500	10000	250	250	29679	25769	2434	0.08423

SEG. NO.	TYPE	FLAP	THRUST TYPE	VALUE
1	TKOFF	10	MAX TKOFF	
2	CLIMB	10	MAX TKOFF	
3	ACCEL	10	MAX TKOFF	
4	ACCEL	INTR	MAX TKOFF	
5	ACCEL	INTR	MAX CLIMB	
6	CLIMB	ZERO	MAX CLIMB	
7	ACCEL	ZERO	MAX CLIMB	
8	CLIMB	ZERO	MAX CLIMB	
9	CLIMB	ZERO	MAX CLIMB	
10	CLIMB	ZERO	MAX CLIMB	

TAKEOFF PROFILE DATA (HEADWIND = 8 KT) 06-21-1991 15:50:31

AIRCRAFT ID NUMBER	AIRCRAFT AND ENGINE NAMES	AIRCRAFT CATEGORY
022	L1011/RB211-22B	JCOM

	DISTANCE FROM BRAKE RELEASE (FT)	HEIGHT (FT)	SPEED (KTAS)	THRUST (LB)
POINT 1	0	0	16	39885
POINT 2	6443	0	161	32302
POINT 3	12356	1000	164	32626
POINT 4	15372	1344	174	32237
POINT 5	19039	1631	196	31288
POINT 6	20039	1682	200	26282
POINT 7	24380	1900	217	25480
POINT 8	33379	3000	221	25788
POINT 9	44681	3486	263	24217
POINT 10	64572	5500	271	24798
POINT 11	86064	7500	280	25390
POINT 12	115743	10000	291	0

THRUST FOR LEVEL FLIGHT	GRADIENT AT TAKE-OFF POWER	TAKE-OFF THRUST	GRADIENT AT CLIMB POWER
11986	0.169134	32463	0.114434

CLIMB THRUST	GRADIENT AT FAR36 CUTBACK	THRUST FOR ENGINE OUT LEVEL FLIGHT	VZF (KCAS)
27821	0.045325	17979	211

NUMBER OF ENGINES	RATED THRUST LB	AIRCRAFT WEIGHT (LB)	STAGE NUMBER
3	42000	370000	4

TAKEOFF SEGMENTS DATA (HEADWIND = 8 KT) 06-21-1991 15:52:02

AIRCRAFT ID NUMBER	AIRCRAFT AND ENGINE NAMES	AIRCRAFT CATEGORY
022	L1011/RB211-22B	JCOM

AIRCRAFT WEIGHT	STAGE NUMBER	NUMBER OF ENGINES
400000	5	3

SEG. NO.	TYPE	FLAP	START ALT (FT)	END ALT (FT)	CALIBRATED START SPEED (KCAS)	CALIBRATED END SPEED (KCAS)	SEG. LNGTH (FT)	THRST (LB)	R/C (FPM)	GRAD
1	TKOFF	10	0	0	16	168	7610	31967	0	0.00000
2	CLIMB	10	0	1000	168	168	6838	32128	2503	0.14623
3	ACCEL	10	1000	1382	168	178	3874	32088	1669	0.09408
4	ACCEL	INTR	1382	1677	178	198	4360	31411	1252	0.06443
5	ACCEL	INTR	1677	2030	198	218	7255	25599	1000	0.04624
6	CLIMB	ZERO	2030	3000	218	218	9147	25345	2430	0.10607
7	ACCEL	ZERO	3000	3492	218	250	11619	24850	1000	0.04024
8	CLIMB	ZERO	3492	5500	250	250	22542	24506	2412	0.08909
9	CLIMB	ZERO	5500	7500	250	250	24530	25092	2275	0.08153
10	CLIMB	ZERO	7500	10000	250	250	34065	25769	2121	0.07339

SEG. NO.	TYPE	FLAP	THRUST TYPE	VALUE
1	TKOFF	10	MAX TKOFF	
2	CLIMB	10	MAX TKOFF	
3	ACCEL	10	MAX TKOFF	
4	ACCEL	INTR	MAX TKOFF	
5	ACCEL	INTR	MAX CLIMB	
6	CLIMB	ZERO	MAX CLIMB	
7	ACCEL	ZERO	MAX CLIMB	
8	CLIMB	ZERO	MAX CLIMB	
9	CLIMB	ZERO	MAX CLIMB	
10	CLIMB	ZERO	MAX CLIMB	

TAKEOFF PROFILE DATA (HEADWIND = 8 KT) 06-21-1991 15:52:06

AIRCRAFT ID NUMBER	AIRCRAFT AND ENGINE NAMES	AIRCRAFT CATEGORY
022	L1011/RB211-22B	JCOM

	DISTANCE FROM BRAKE RELEASE (FT)	HEIGHT (FT)	SPEED (KTAS)	THRUST (LB)
POINT 1	0	0	16	39885
POINT 2	7610	0	168	31967
POINT 3	14448	1000	170	32291
POINT 4	18322	1382	182	31884
POINT 5	22682	1677	203	30938
POINT 6	23682	1726	206	25988
POINT 7	29937	2030	225	25209
POINT 8	39084	3000	228	25481
POINT 9	50703	3492	263	24219
POINT 10	73245	5500	271	24798
POINT 11	97775	7500	280	25390
POINT 12	131840	10000	291	0

THRUST FOR LEVEL FLIGHT	GRADIENT AT TAKE-OFF POWER	TAKE-OFF THRUST	GRADIENT AT CLIMB POWER
12958	0.146233	32128	0.096594

CLIMB THRUST	GRADIENT AT FAR36 CUTBACK	THRUST FOR ENGINE OUT LEVEL FLIGHT	VZF (KCAS)
27540	0.045325	19437	218

NUMBER OF ENGINES	RATED THRUST LB	AIRCRAFT WEIGHT (LB)	STAGE NUMBER
3	42000	400000	5

TAKEOFF SEGMENTS DATA (HEADWIND = 8 KT) 06-21-1991 15:53:30

AIRCRAFT ID NUMBER	AIRCRAFT AND ENGINE NAMES	AIRCRAFT CATEGORY
022	L1011/RB211-22B	JCOM

AIRCRAFT WEIGHT	STAGE NUMBER	NUMBER OF ENGINES
430000	6	3

SEG. NO.	TYPE	FLAP	START ALT (FT)	END ALT (FT)	CALIBRATED START SPEED (KCAS)	CALIBRATED END SPEED (KCAS)	SEG. LNGTH (FT)	THRST (LB)	R/C (FPM)	GRAD
1	TKOFF	10	0	0	16	174	8883	31645	0	0.00000
2	CLIMB	10	0	1000	174	174	7887	31806	2251	0.12679
3	ACCEL	10	1000	1394	174	184	4600	31772	1501	0.08163
4	ACCEL	INTR	1394	1696	184	204	5123	31103	1126	0.05611
5	ACCEL	INTR	1696	2174	204	224	10128	25358	1000	0.04489
6	CLIMB	ZERO	2174	3000	224	224	8928	25102	2180	0.09251
7	ACCEL	ZERO	3000	3499	224	250	11945	24720	1000	0.03973
8	CLIMB	ZERO	3499	5500	250	250	25443	24507	2129	0.07864
9	CLIMB	ZERO	5500	7500	250	250	27918	25092	1999	0.07164
10	CLIMB	ZERO	7500	10000	250	250	39014	25769	1852	0.06408

SEG. NO.	TYPE	FLAP	THRUST TYPE	VALUE
1	TKOFF	10	MAX TKOFF	
2	CLIMB	10	MAX TKOFF	
3	ACCEL	10	MAX TKOFF	
4	ACCEL	INTR	MAX TKOFF	
5	ACCEL	INTR	MAX CLIMB	
6	CLIMB	ZERO	MAX CLIMB	
7	ACCEL	ZERO	MAX CLIMB	
8	CLIMB	ZERO	MAX CLIMB	
9	CLIMB	ZERO	MAX CLIMB	
10	CLIMB	ZERO	MAX CLIMB	

TAKEOFF PROFILE DATA (HEADWIND = 8 KT) 06-21-1991 15:53:33

AIRCRAFT ID NUMBER	AIRCRAFT AND ENGINE NAMES	AIRCRAFT CATEGORY
022	L1011/RB211-22B	JCOM

	DISTANCE FROM BRAKE RELEASE (FT)	HEIGHT (FT)	SPEED (KTAS)	THRUST (LB)
POINT 1	0	0	16	39885
POINT 2	8883	0	174	31645
POINT 3	16770	1000	177	31969
POINT 4	21370	1394	188	31575
POINT 5	26493	1696	209	30631
POINT 6	27493	1743	211	25730
POINT 7	36621	2174	231	24987
POINT 8	45549	3000	234	25218
POINT 9	57495	3499	263	24221
POINT 10	82938	5500	271	24798
POINT 11	110856	7500	280	25390
POINT 12	149870	10000	291	0

THRUST FOR LEVEL FLIGHT	GRADIENT AT TAKE-OFF POWER	TAKE-OFF THRUST	GRADIENT AT CLIMB POWER
13930	0.126795	31806	0.081383

CLIMB THRUST	GRADIENT AT FAR36 CUTBACK	THRUST FOR ENGINE OUT LEVEL FLIGHT	VZF (KCAS)
27270	0.045325	20895	224

NUMBER OF ENGINES	RATED THRUST LB	AIRCRAFT WEIGHT (LB)	STAGE NUMBER
3	42000	430000	6

APPROACH PROFILE DATA (HEADWIND = 8 KT) 02-15-1992 15:14:50

AIRCRAFT ID NUMBER	AIRCRAFT AND ENGINE NAMES	AIRCRAFT CATEGORY
022	L1011/RB211-22B	JCOM

	DISTANCE FROM RW THRESHOLD (FT)	HEIGHT (FT)	SPEED (KTAS)	THRUST (LB)	FLAPS
POINT 1	113533	6000	273	1557	ZERO
POINT 2	56289	3000	168	5102	10
POINT 3	27668	1500	167	9850	D 33
POINT 4	18127	1000	148	11682	D 42
POINT 5	-954	0	146	11267	D 42
POINT 6	-1371	0	138	25200	
POINT 7	-5124	0	30	4200	

NUMBER OF ENGINES	RATED THRUST LB	AIRCRAFT WEIGHT (LB)	GLIDE SLOPE
3	42000	322200	3.00

TAKEOFF SEGMENTS DATA (HEADWIND = 8 KT) 06-21-1991 16:00:58

AIRCRAFT ID NUMBER	AIRCRAFT AND ENGINE NAMES	AIRCRAFT CATEGORY
023	L1011-500/RB211-224B	JCOM

AIRCRAFT WEIGHT	STAGE NUMBER	NUMBER OF ENGINES
345000	1	3

SEG. NO.	TYPE	FLAP	START ALT (FT)	END ALT (FT)	CALIBRATED START SPEED (KCAS)	CALIBRATED END SPEED (KCAS)	SEG. LNGTH (FT)	THRST (LB)	R/C (FPM)	GRAD
1	TKOFF	10	0	0	16	156	4611	38711	0	0.00000
2	CLIMB	10	0	1000	156	156	4028	38872	3948	0.24829
3	ACCEL	10	1000	1361	156	166	2163	38829	2632	0.16076
4	ACCEL	INTR	1361	1652	166	186	2545	38149	1974	0.10896
5	ACCEL	INTR	1652	1795	186	206	2775	31378	1000	0.04918
6	CLIMB	ZERO	1795	3000	206	206	6725	31126	3872	0.17915
7	ACCEL	ZERO	3000	3314	206	250	7213	30372	1000	0.04136
8	CLIMB	ZERO	3314	5500	250	250	14425	29762	4097	0.15156
9	CLIMB	ZERO	5500	7500	250	250	14354	30377	3888	0.13933
10	CLIMB	ZERO	7500	10000	250	250	19708	31057	3665	0.12685

SEG. NO.	TYPE	FLAP	THRUST TYPE	VALUE
1	TKOFF	10	MAX TKOFF	
2	CLIMB	10	MAX TKOFF	
3	ACCEL	10	MAX TKOFF	
4	ACCEL	INTR	MAX TKOFF	
5	ACCEL	INTR	MAX CLIMB	
6	CLIMB	ZERO	MAX CLIMB	
7	ACCEL	ZERO	MAX CLIMB	
8	CLIMB	ZERO	MAX CLIMB	
9	CLIMB	ZERO	MAX CLIMB	
10	CLIMB	ZERO	MAX CLIMB	

TAKEOFF PROFILE DATA (HEADWIND = 8 KT) 06-21-1991 16:01:01

AIRCRAFT ID NUMBER	AIRCRAFT AND ENGINE NAMES	AIRCRAFT CATEGORY
023	L1011-500/RB211-224B	JCOM

	DISTANCE FROM BRAKE RELEASE (FT)	HEIGHT (FT)	SPEED (KTAS)	THRUST (LB)
POINT 1	0	0	16	46005
POINT 2	4611	0	156	38711
POINT 3	8639	1000	158	39035
POINT 4	10802	1361	169	38623
POINT 5	13347	1652	191	37675
POINT 6	14347	1703	198	31798
POINT 7	16123	1795	212	30957
POINT 8	22848	3000	215	31296
POINT 9	30061	3314	263	29448
POINT 10	44486	5500	271	30081
POINT 11	58840	7500	280	30676
POINT 12	78548	10000	291	0

THRUST FOR LEVEL FLIGHT	GRADIENT AT TAKE-OFF POWER	TAKE-OFF THRUST	GRADIENT AT CLIMB POWER
11176	0.248288	38872	0.175864

CLIMB THRUST	GRADIENT AT FAR36 CUTBACK	THRUST FOR ENGINE OUT LEVEL FLIGHT	VZF (KCAS)
33363	0.045325	16765	206

NUMBER OF ENGINES	RATED THRUST LB	AIRCRAFT WEIGHT (LB)	STAGE NUMBER
3	50000	345000	1

TAKEOFF SEGMENTS DATA (HEADWIND = 8 KT) 06-21-1991 16:02:20

AIRCRAFT ID NUMBER	AIRCRAFT AND ENGINE NAMES	AIRCRAFT CATEGORY
023	L1011-500/RB211-224B	JCOM

AIRCRAFT WEIGHT	STAGE NUMBER	NUMBER OF ENGINES
355000	2	3

SEG. NO.	TYPE	FLAP	START ALT (FT)	END ALT (FT)	CALIBRATED START SPEED (KCAS)	CALIBRATED END SPEED (KCAS)	SEG. LNGTH (FT)	THRST (LB)	R/C (FPM)	GRAD
1	TKOFF	10	0	0	16	158	4897	38594	0	0.00000
2	CLIMB	10	0	1000	158	158	4221	38756	3821	0.23693
3	ACCEL	10	1000	1356	158	168	2233	38718	2547	0.15338
4	ACCEL	INTR	1356	1649	168	188	2683	38044	1911	0.10425
5	ACCEL	INTR	1649	1802	188	208	2982	31290	1000	0.04868
6	CLIMB	ZERO	1802	3000	208	208	6986	31039	3743	0.17151
7	ACCEL	ZERO	3000	3316	208	250	7302	30329	1000	0.04118
8	CLIMB	ZERO	3316	5500	250	250	15012	29763	3932	0.14546
9	CLIMB	ZERO	5500	7500	250	250	14968	30377	3729	0.13362
10	CLIMB	ZERO	7500	10000	250	250	20574	31057	3511	0.12151

SEG. NO.	TYPE	FLAP	THRUST TYPE	VALUE
1	TKOFF	10	MAX TKOFF	
2	CLIMB	10	MAX TKOFF	
3	ACCEL	10	MAX TKOFF	
4	ACCEL	INTR	MAX TKOFF	
5	ACCEL	INTR	MAX CLIMB	
6	CLIMB	ZERO	MAX CLIMB	
7	ACCEL	ZERO	MAX CLIMB	
8	CLIMB	ZERO	MAX CLIMB	
9	CLIMB	ZERO	MAX CLIMB	
10	CLIMB	ZERO	MAX CLIMB	

TAKEOFF PROFILE DATA (HEADWIND = 8 KT) 06-21-1991 16:02:23

AIRCRAFT ID NUMBER	AIRCRAFT AND ENGINE NAMES	AIRCRAFT CATEGORY
023	L1011-500/RB211-224B	JCOM

	DISTANCE FROM BRAKE RELEASE (FT)	HEIGHT (FT)	SPEED (KTAS)	THRUST (LB)
POINT 1	0	0	16	46005
POINT 2	4897	0	158	38594
POINT 3	9118	1000	160	38918
POINT 4	11351	1356	171	38517
POINT 5	14033	1649	193	37570
POINT 6	15033	1700	200	31709
POINT 7	17015	1802	214	30871
POINT 8	24002	3000	217	31208
POINT 9	31304	3316	263	29449
POINT 10	46316	5500	271	30081
POINT 11	61284	7500	280	30676
POINT 12	81858	10000	291	0

THRUST FOR LEVEL FLIGHT	GRADIENT AT TAKE-OFF POWER	TAKE-OFF THRUST	GRADIENT AT CLIMB POWER
11500	0.236928	38756	0.167190

CLIMB THRUST	GRADIENT AT FAR36 CUTBACK	THRUST FOR ENGINE OUT LEVEL FLIGHT	VZF (KCAS)
33265	0.045325	17251	208

NUMBER OF ENGINES	RATED THRUST LB	AIRCRAFT WEIGHT (LB)	STAGE NUMBER
3	50000	355000	2

TAKEOFF SEGMENTS DATA (HEADWIND = 8 KT) 06-21-1991 16:03:45

AIRCRAFT ID NUMBER	AIRCRAFT AND ENGINE NAMES	AIRCRAFT CATEGORY
023	L1011-500/RB211-224B	JCOM

AIRCRAFT WEIGHT	STAGE NUMBER	NUMBER OF ENGINES
370000	3	3

SEG. NO.	TYPE	FLAP	START ALT (FT)	END ALT (FT)	CALIBRATED START SPEED (KCAS)	CALIBRATED END SPEED (KCAS)	SEG. LNGTH (FT)	THRST (LB)	R/C (FPM)	GRAD
1	TKOFF	10	0	0	16	161	5343	38422	0	0.00000
2	CLIMB	10	0	1000	161	161	4521	38583	3642	0.22121
3	ACCEL	10	1000	1352	161	171	2355	38552	2428	0.14324
4	ACCEL	INTR	1352	1648	171	191	2898	37886	1821	0.09763
5	ACCEL	INTR	1648	1815	191	211	3322	31160	1000	0.04795
6	CLIMB	ZERO	1815	3000	211	211	7364	30909	3562	0.16085
7	ACCEL	ZERO	3000	3319	211	250	7403	30263	1000	0.04091
8	CLIMB	ZERO	3319	5500	250	250	15927	29763	3703	0.13697
9	CLIMB	ZERO	5500	7500	250	250	15918	30377	3507	0.12565
10	CLIMB	ZERO	7500	10000	250	250	21917	31057	3296	0.11407

SEG. NO.	TYPE	FLAP	THRUST TYPE	VALUE
1	TKOFF	10	MAX TKOFF	
2	CLIMB	10	MAX TKOFF	
3	ACCEL	10	MAX TKOFF	
4	ACCEL	INTR	MAX TKOFF	
5	ACCEL	INTR	MAX CLIMB	
6	CLIMB	ZERO	MAX CLIMB	
7	ACCEL	ZERO	MAX CLIMB	
8	CLIMB	ZERO	MAX CLIMB	
9	CLIMB	ZERO	MAX CLIMB	
10	CLIMB	ZERO	MAX CLIMB	

TAKEOFF PROFILE DATA (HEADWIND = 8 KT) 06-21-1991 16:03:49

AIRCRAFT ID NUMBER	AIRCRAFT AND ENGINE NAMES	AIRCRAFT CATEGORY
023	L1011-500/RB211-224B	JCOM

	DISTANCE FROM BRAKE RELEASE (FT)	HEIGHT (FT)	SPEED (KTAS)	THRUST (LB)
POINT 1	0	0	16	46005
POINT 2	5343	0	161	38422
POINT 3	9864	1000	164	38746
POINT 4	12219	1352	174	38359
POINT 5	15117	1648	196	37413
POINT 6	16117	1698	202	31577
POINT 7	18440	1815	217	30743
POINT 8	25804	3000	221	31076
POINT 9	33207	3319	263	29450
POINT 10	49134	5500	271	30081
POINT 11	65051	7500	280	30676
POINT 12	86968	10000	291	0

THRUST FOR LEVEL FLIGHT	GRADIENT AT TAKE-OFF POWER	TAKE-OFF THRUST	GRADIENT AT CLIMB POWER
11986	0.221210	38583	0.155137

CLIMB THRUST	GRADIENT AT FAR36 CUTBACK	THRUST FOR ENGINE OUT LEVEL FLIGHT	VZF (KCAS)
33119	0.045325	17979	211

NUMBER OF ENGINES	RATED THRUST LB	AIRCRAFT WEIGHT (LB)	STAGE NUMBER
3	50000	370000	3

TAKEOFF SEGMENTS DATA (HEADWIND = 8 KT) 06-21-1991 16:05:11

AIRCRAFT ID NUMBER	AIRCRAFT AND ENGINE NAMES	AIRCRAFT CATEGORY
023	L1011-500/RB211-224B	JCOM

AIRCRAFT WEIGHT	STAGE NUMBER	NUMBER OF ENGINES
385000	4	3

SEG. NO.	TYPE	FLAP	START ALT (FT)	END ALT (FT)	CALIBRATED START SPEED (KCAS)	CALIBRATED END SPEED (KCAS)	SEG. LNGTH (FT)	THRST (LB)	R/C (FPM)	GRAD
1	TKOFF	10	0	0	16	165	5811	38253	0	0.00000
2	CLIMB	10	0	1000	165	165	4834	38414	3475	0.20688
3	ACCEL	10	1000	1386	165	175	2771	38369	2317	0.13356
4	ACCEL	INTR	1386	1687	175	195	3154	37690	1738	0.09106
5	ACCEL	INTR	1687	1872	195	215	3740	30997	1000	0.04697
6	CLIMB	ZERO	1872	3000	215	215	7489	30741	3400	0.15063
7	ACCEL	ZERO	3000	3310	215	250	7269	30174	1000	0.04056
8	CLIMB	ZERO	3310	5500	250	250	16951	29762	3492	0.12919
9	CLIMB	ZERO	5500	7500	250	250	16904	30377	3302	0.11832
10	CLIMB	ZERO	7500	10000	250	250	23317	31057	3098	0.10722

SEG. NO.	TYPE	FLAP	THRUST TYPE	VALUE
1	TKOFF	10	MAX TKOFF	
2	CLIMB	10	MAX TKOFF	
3	ACCEL	10	MAX TKOFF	
4	ACCEL	INTR	MAX TKOFF	
5	ACCEL	INTR	MAX CLIMB	
6	CLIMB	ZERO	MAX CLIMB	
7	ACCEL	ZERO	MAX CLIMB	
8	CLIMB	ZERO	MAX CLIMB	
9	CLIMB	ZERO	MAX CLIMB	
10	CLIMB	ZERO	MAX CLIMB	

TAKEOFF PROFILE DATA (HEADWIND = 8 KT) 06-21-1991 16:05:15

AIRCRAFT ID NUMBER	AIRCRAFT AND ENGINE NAMES	AIRCRAFT CATEGORY
023	L1011-500/RB211-224B	JCOM

	DISTANCE FROM BRAKE RELEASE (FT)	HEIGHT (FT)	SPEED (KTAS)	THRUST (LB)
POINT 1	0	0	16	46005
POINT 2	5811	0	165	38253
POINT 3	10645	1000	167	38577
POINT 4	13416	1386	179	38162
POINT 5	16570	1687	200	37218
POINT 6	17570	1737	206	31412
POINT 7	20310	1872	221	30583
POINT 8	27798	3000	225	30900
POINT 9	35068	3310	263	29447
POINT 10	52018	5500	271	30081
POINT 11	68922	7500	280	30676
POINT 12	92239	10000	291	0

THRUST FOR LEVEL FLIGHT	GRADIENT AT TAKE-OFF POWER	TAKE-OFF THRUST	GRADIENT AT CLIMB POWER
12472	0.206882	38414	0.144104

CLIMB THRUST	GRADIENT AT FAR36 CUTBACK	THRUST FOR ENGINE OUT LEVEL FLIGHT	VZF (KCAS)
32977	0.045325	18708	215

NUMBER OF ENGINES	RATED THRUST LB	AIRCRAFT WEIGHT (LB)	STAGE NUMBER
3	50000	385000	4

TAKEOFF SEGMENTS DATA (HEADWIND = 8 KT) 06-21-1991 16:06:52

AIRCRAFT ID NUMBER	AIRCRAFT AND ENGINE NAMES	AIRCRAFT CATEGORY
023	L1011-500/RB211-224B	JCOM

AIRCRAFT WEIGHT	STAGE NUMBER	NUMBER OF ENGINES
413000	5	3

SEG. NO.	TYPE	FLAP	START ALT (FT)	END ALT (FT)	CALIBRATED START SPEED (KCAS)	CALIBRATED END SPEED (KCAS)	SEG. LNGTH (FT)	THRST (LB)	R/C (FPM)	GRAD
1	TKOFF	10	0	0	16	171	6741	37946	0	0.00000
2	CLIMB	10	0	1000	171	171	5457	38107	3188	0.18325
3	ACCEL	10	1000	1404	171	181	3272	38062	2125	0.11811
4	ACCEL	INTR	1404	1712	181	201	3638	37384	1594	0.08080
5	ACCEL	INTR	1712	1934	201	221	4620	30745	1000	0.04561
6	CLIMB	ZERO	1934	3000	221	221	7944	30485	3115	0.13419
7	ACCEL	ZERO	3000	3299	221	250	7100	30040	1000	0.04005
8	CLIMB	ZERO	3299	5500	250	250	18937	29760	3142	0.11622
9	CLIMB	ZERO	5500	7500	250	250	18849	30377	2961	0.10610
10	CLIMB	ZERO	7500	10000	250	250	26098	31057	2768	0.09579

SEG. NO.	TYPE	FLAP	THRUST TYPE	VALUE
1	TKOFF	10	MAX TKOFF	
2	CLIMB	10	MAX TKOFF	
3	ACCEL	10	MAX TKOFF	
4	ACCEL	INTR	MAX TKOFF	
5	ACCEL	INTR	MAX CLIMB	
6	CLIMB	ZERO	MAX CLIMB	
7	ACCEL	ZERO	MAX CLIMB	
8	CLIMB	ZERO	MAX CLIMB	
9	CLIMB	ZERO	MAX CLIMB	
10	CLIMB	ZERO	MAX CLIMB	

TAKEOFF PROFILE DATA (HEADWIND = 8 KT) 06-21-1991 16:06:55

AIRCRAFT ID NUMBER	AIRCRAFT AND ENGINE NAMES	AIRCRAFT CATEGORY
023	L1011-500/RB211-224B	JCOM

	DISTANCE FROM BRAKE RELEASE (FT)	HEIGHT (FT)	SPEED (KTAS)	THRUST (LB)
POINT 1	0	0	16	46005
POINT 2	6741	0	171	37946
POINT 3	12198	1000	173	38270
POINT 4	15470	1404	185	37855
POINT 5	19108	1712	206	36913
POINT 6	20108	1760	211	31155
POINT 7	23728	1934	227	30336
POINT 8	31672	3000	231	30636
POINT 9	38772	3299	263	29444
POINT 10	57709	5500	271	30081
POINT 11	76558	7500	280	30676
POINT 12	102656	10000	291	0

THRUST FOR LEVEL FLIGHT	GRADIENT AT TAKE-OFF POWER	TAKE-OFF THRUST	GRADIENT AT CLIMB POWER
13379	0.183253	38107	0.125815

CLIMB THRUST	GRADIENT AT FAR36 CUTBACK	THRUST FOR ENGINE OUT LEVEL FLIGHT	VZF (KCAS)
32718	0.045325	20069	221

NUMBER OF ENGINES	RATED THRUST LB	AIRCRAFT WEIGHT (LB)	STAGE NUMBER
3	50000	413000	5

TAKEOFF SEGMENTS DATA (HEADWIND = 8 KT) 06-21-1991 16:09:53

AIRCRAFT ID NUMBER	AIRCRAFT AND ENGINE NAMES	AIRCRAFT CATEGORY
023	L1011-500/RB211-224B	JCOM

AIRCRAFT WEIGHT	STAGE NUMBER	NUMBER OF ENGINES
441000	6	3

SEG. NO.	TYPE	FLAP	START ALT (FT)	END ALT (FT)	CALIBRATED START SPEED (KCAS)	CALIBRATED END SPEED (KCAS)	SEG. LNGTH (FT)	THRST (LB)	R/C (FPM)	GRAD
1	TKOFF	10	0	0	16	176	7747	37649	0	0.00000
2	CLIMB	10	0	1000	176	176	6137	37811	2929	0.16294
3	ACCEL	10	1000	1392	176	186	3563	37782	1953	0.10521
4	ACCEL	INTR	1392	1707	186	206	4149	37120	1465	0.07233
5	ACCEL	INTR	1707	1974	206	226	5700	30530	1000	0.04454
6	CLIMB	ZERO	1974	3000	226	226	8529	30271	2855	0.12025
7	ACCEL	ZERO	3000	3288	226	250	6919	29928	1000	0.03963
8	CLIMB	ZERO	3288	5500	250	250	21073	29759	2837	0.10495
9	CLIMB	ZERO	5500	7500	250	250	20947	30377	2665	0.09548
10	CLIMB	ZERO	7500	10000	250	250	29120	31057	2481	0.08585

SEG. NO.	TYPE	FLAP	THRUST TYPE	VALUE
1	TKOFF	10	MAX TKOFF	
2	CLIMB	10	MAX TKOFF	
3	ACCEL	10	MAX TKOFF	
4	ACCEL	INTR	MAX TKOFF	
5	ACCEL	INTR	MAX CLIMB	
6	CLIMB	ZERO	MAX CLIMB	
7	ACCEL	ZERO	MAX CLIMB	
8	CLIMB	ZERO	MAX CLIMB	
9	CLIMB	ZERO	MAX CLIMB	
10	CLIMB	ZERO	MAX CLIMB	

TAKEOFF PROFILE DATA (HEADWIND = 8 KT) 06-21-1991 16:09:57

AIRCRAFT ID NUMBER	AIRCRAFT AND ENGINE NAMES	AIRCRAFT CATEGORY
023	L1011-500/RB211-224B	JCOM

	DISTANCE FROM BRAKE RELEASE (FT)	HEIGHT (FT)	SPEED (KTAS)	THRUST (LB)
POINT 1	0	0	16	46005
POINT 2	7747	0	176	37649
POINT 3	13884	1000	179	37973
POINT 4	17447	1392	190	37590
POINT 5	21595	1707	211	36651
POINT 6	22595	1754	215	30933
POINT 7	27296	1974	233	30127
POINT 8	35825	3000	236	30416
POINT 9	42744	3288	262	29441
POINT 10	63817	5500	271	30081
POINT 11	84764	7500	280	30676
POINT 12	113884	10000	291	0

THRUST FOR LEVEL FLIGHT	GRADIENT AT TAKE-OFF POWER	TAKE-OFF THRUST	GRADIENT AT CLIMB POWER
14286	0.162937	37811	0.110006

CLIMB THRUST	GRADIENT AT FAR36 CUTBACK	THRUST FOR ENGINE OUT LEVEL FLIGHT	VZF (KCAS)
32467	0.045325	21430	226

NUMBER OF ENGINES	RATED THRUST LB	AIRCRAFT WEIGHT (LB)	STAGE NUMBER
3	50000	441000	6

TAKEOFF SEGMENTS DATA (HEADWIND = 8 KT) 06-21-1991 16:11:29

AIRCRAFT ID NUMBER	AIRCRAFT AND ENGINE NAMES	AIRCRAFT CATEGORY
023	L1011-500/RB211-224B	JCOM

AIRCRAFT WEIGHT	STAGE NUMBER	NUMBER OF ENGINES
470000	7	3

SEG. NO.	TYPE	FLAP	START ALT (FT)	END ALT (FT)	CALIBRATED START SPEED (KCAS)	CALIBRATED END SPEED (KCAS)	SEG. LNGTH (FT)	THRST (LB)	R/C (FPM)	GRAD
1	TKOFF	10	0	0	16	182	8869	37352	0	0.00000
2	CLIMB	10	0	1000	182	182	6912	37513	2685	0.14468
3	ACCEL	10	1000	1420	182	192	4298	37481	1790	0.09328
4	ACCEL	INTR	1420	1742	192	212	4773	36818	1343	0.06427
5	ACCEL	INTR	1742	2072	212	232	7239	30284	1000	0.04329
6	CLIMB	ZERO	2072	3000	232	232	8649	30020	2617	0.10729
7	ACCEL	ZERO	3000	3254	232	250	6179	29792	1000	0.03915
8	CLIMB	ZERO	3254	5500	250	250	23695	29754	2561	0.09477
9	CLIMB	ZERO	5500	7500	250	250	23300	30377	2396	0.08584
10	CLIMB	ZERO	7500	10000	250	250	32541	31057	2220	0.07683

SEG. NO.	TYPE	FLAP	THRUST TYPE	VALUE
1	TKOFF	10	MAX TKOFF	
2	CLIMB	10	MAX TKOFF	
3	ACCEL	10	MAX TKOFF	
4	ACCEL	INTR	MAX TKOFF	
5	ACCEL	INTR	MAX CLIMB	
6	CLIMB	ZERO	MAX CLIMB	
7	ACCEL	ZERO	MAX CLIMB	
8	CLIMB	ZERO	MAX CLIMB	
9	CLIMB	ZERO	MAX CLIMB	
10	CLIMB	ZERO	MAX CLIMB	

TAKEOFF PROFILE DATA (HEADWIND = 8 KT) 06-21-1991 16:11:33

AIRCRAFT ID NUMBER	AIRCRAFT AND ENGINE NAMES	AIRCRAFT CATEGORY
023	L1011-500/RB211-224B	JCOM

	DISTANCE FROM BRAKE RELEASE (FT)	HEIGHT (FT)	SPEED (KTAS)	THRUST (LB)
POINT 1	0	0	16	46005
POINT 2	8869	0	182	37352
POINT 3	15781	1000	185	37676
POINT 4	20079	1420	196	37286
POINT 5	24852	1742	218	36349
POINT 6	25852	1788	220	30679
POINT 7	32092	2072	239	29890
POINT 8	40741	3000	243	30152
POINT 9	46919	3254	262	29431
POINT 10	70614	5500	271	30081
POINT 11	93914	7500	280	30676
POINT 12	126456	10000	291	0

THRUST FOR LEVEL FLIGHT	GRADIENT AT TAKE-OFF POWER	TAKE-OFF THRUST	GRADIENT AT CLIMB POWER
15226	0.144681	37513	0.095737

CLIMB THRUST	GRADIENT AT FAR36 CUTBACK	THRUST FOR ENGINE OUT LEVEL FLIGHT	VZF (KCAS)
32216	0.045325	22839	232

NUMBER OF ENGINES	RATED THRUST LB	AIRCRAFT WEIGHT (LB)	STAGE NUMBER
3	50000	470000	7

APPROACH PROFILE DATA (HEADWIND = 8 KT) 02-15-1992 15:15:40

AIRCRAFT ID NUMBER	AIRCRAFT AND ENGINE NAMES	AIRCRAFT CATEGORY
023	L1011-500/RB211-224B	JCOM

	DISTANCE FROM RW THRESHOLD (FT)	HEIGHT (FT)	SPEED (KTAS)	THRUST (LB)	FLAPS
POINT 1	113533	6000	273	1601	ZERO
POINT 2	56289	3000	170	5245	10
POINT 3	27668	1500	155	10415	D 33
POINT 4	18127	1000	150	11999	D 42
POINT 5	-954	0	147	11573	D 42
POINT 6	-1471	0	140	30000	
POINT 7	-6120	0	30	5000	

NUMBER OF ENGINES	RATED THRUST LB	AIRCRAFT WEIGHT (LB)	GLIDE SLOPE
3	50000	331200	3.00

TAKEOFF SEGMENTS DATA (HEADWIND = 8 KT) 06-19-1991 14:28:19

AIRCRAFT ID NUMBER	AIRCRAFT AND ENGINE NAMES	AIRCRAFT CATEGORY
025	B727-100/JT8D-7	JCOM

AIRCRAFT WEIGHT	STAGE NUMBER	NUMBER OF ENGINES
136000	1	3

SEG. NO.	TYPE	FLAP	START ALT (FT)	END ALT (FT)	CALIBRATED START SPEED (KCAS)	CALIBRATED END SPEED (KCAS)	SEG. LNGTH (FT)	THRST (LB)	R/C (FPM)	GRAD
1	TKOFF	5	0	0	16	153	4513	11874	0	0.00000
2	CLIMB	5	0	1000	153	153	5818	11846	2684	0.17189
3	ACCEL	5	1000	1110	153	160	1252	11789	1342	0.08365
4	ACCEL	2	1110	1552	160	190	5661	11616	1342	0.07444
5	ACCEL	ZERO	1552	1641	190	200	1705	10400	1000	0.04953
6	CLIMB	ZERO	1641	3000	200	200	9116	10338	3125	0.14908
7	ACCEL	ZERO	3000	3512	200	250	11624	10118	1000	0.04184
8	CLIMB	ZERO	3512	5500	250	250	17098	9906	3149	0.11630
9	CLIMB	ZERO	5500	7500	250	250	19303	9921	2892	0.10361
10	CLIMB	ZERO	7500	10000	250	250	27456	9991	2631	0.09106

SEG. NO.	TYPE	FLAP	THRUST TYPE	VALUE
1	TKOFF	5	MAX TKOFF	
2	CLIMB	5	MAX TKOFF	
3	ACCEL	5	MAX TKOFF	
4	ACCEL	2	MAX TKOFF	
5	ACCEL	ZERO	MAX CLIMB	
6	CLIMB	ZERO	MAX CLIMB	
7	ACCEL	ZERO	MAX CLIMB	
8	CLIMB	ZERO	MAX CLIMB	
9	CLIMB	ZERO	MAX CLIMB	
10	CLIMB	ZERO	MAX CLIMB	

TAKEOFF PROFILE DATA (HEADWIND = 8 KT) 06-19-1991 14:28:24

AIRCRAFT ID NUMBER	AIRCRAFT AND ENGINE NAMES	AIRCRAFT CATEGORY
025	B727-100/JT8D-7	JCOM

	DISTANCE FROM BRAKE RELEASE (FT)	HEIGHT (FT)	SPEED (KTAS)	THRUST (LB)
POINT 1	0	0	16	13078
POINT 2	4513	0	153	11874
POINT 3	10331	1000	155	11822
POINT 4	11582	1110	163	11756
POINT 5	17244	1552	194	11475
POINT 6	18244	1604	201	10442
POINT 7	18948	1641	205	10359
POINT 8	28064	3000	209	10322
POINT 9	39689	3512	263	9914
POINT 10	56786	5500	271	9908
POINT 11	76090	7500	280	9946
POINT 12	103545	10000	291	0

THRUST FOR LEVEL FLIGHT	GRADIENT AT TAKE-OFF POWER	TAKE-OFF THRUST	GRADIENT AT CLIMB POWER
4194	0.171895	11846	0.129097

CLIMB THRUST	GRADIENT AT FAR36 CUTBACK	THRUST FOR ENGINE OUT LEVEL FLIGHT	VZF (KCAS)
10709	0.043147	6292	200

NUMBER OF ENGINES	RATED THRUST LB	AIRCRAFT WEIGHT (LB)	STAGE NUMBER
3	14000	136000	1

TAKEOFF SEGMENTS DATA (HEADWIND = 8 KT) 06-19-1991 14:29:50

AIRCRAFT ID NUMBER	AIRCRAFT AND ENGINE NAMES	AIRCRAFT CATEGORY
025	B727-100/JT8D-7	JCOM

AIRCRAFT WEIGHT	STAGE NUMBER	NUMBER OF ENGINES
143000	2	3

SEG. NO.	TYPE	FLAP	START ALT (FT)	END ALT (FT)	CALIBRATED START SPEED (KCAS)	CALIBRATED END SPEED (KCAS)	SEG. LNGTH (FT)	THRST (LB)	R/C (FPM)	GRAD
1	TKOFF	5	0	0	16	157	5004	11839	0	0.00000
2	CLIMB	5	0	1000	157	157	6331	11812	2529	0.15794
3	ACCEL	5	1000	1050	157	160	609	11774	1265	0.07788
4	ACCEL	2	1050	1506	160	190	6192	11618	1265	0.07021
5	ACCEL	ZERO	1506	1605	190	200	1896	10402	1000	0.04956
6	CLIMB	ZERO	1605	3000	200	200	10069	10339	2903	0.13854
7	ACCEL	ZERO	3000	3575	200	250	13082	10118	1000	0.04182
8	CLIMB	ZERO	3575	5500	250	250	17934	9906	2907	0.10732
9	CLIMB	ZERO	5500	7500	250	250	20945	9921	2665	0.09549
10	CLIMB	ZERO	7500	10000	250	250	29913	9991	2415	0.08357

SEG. NO.	TYPE	FLAP	THRUST TYPE	VALUE
1	TKOFF	5	MAX TKOFF	
2	CLIMB	5	MAX TKOFF	
3	ACCEL	5	MAX TKOFF	
4	ACCEL	2	MAX TKOFF	
5	ACCEL	ZERO	MAX CLIMB	
6	CLIMB	ZERO	MAX CLIMB	
7	ACCEL	ZERO	MAX CLIMB	
8	CLIMB	ZERO	MAX CLIMB	
9	CLIMB	ZERO	MAX CLIMB	
10	CLIMB	ZERO	MAX CLIMB	

TAKEOFF PROFILE DATA (HEADWIND = 8 KT) 06-19-1991 14:29:54

AIRCRAFT ID NUMBER	AIRCRAFT AND ENGINE NAMES	AIRCRAFT CATEGORY
025	B727-100/JT8D-7	JCOM

	DISTANCE FROM BRAKE RELEASE (FT)	HEIGHT (FT)	SPEED (KTAS)	THRUST (LB)
POINT 1	0	0	16	13078
POINT 2	5004	0	157	11839
POINT 3	11336	1000	159	11788
POINT 4	11944	1050	162	11759
POINT 5	18137	1506	194	11476
POINT 6	19137	1558	200	10443
POINT 7	20032	1605	205	10360
POINT 8	30101	3000	209	10322
POINT 9	43183	3575	264	9913
POINT 10	61116	5500	271	9908
POINT 11	82062	7500	280	9946
POINT 12	111975	10000	291	0

THRUST FOR LEVEL FLIGHT	GRADIENT AT TAKE-OFF POWER	TAKE-OFF THRUST	GRADIENT AT CLIMB POWER
4410	0.157944	11812	0.117573

CLIMB THRUST	GRADIENT AT FAR36 CUTBACK	THRUST FOR ENGINE OUT LEVEL FLIGHT	VZF (KCAS)
10678	0.043147	6615	200

NUMBER OF ENGINES	RATED THRUST LB	AIRCRAFT WEIGHT (LB)	STAGE NUMBER
3	14000	143000	2

TAKEOFF SEGMENTS DATA (HEADWIND = 8 KT) 06-19-1991 14:31:24

AIRCRAFT ID NUMBER	AIRCRAFT AND ENGINE NAMES	AIRCRAFT CATEGORY
025	B727-100/JT8D-7	JCOM

AIRCRAFT WEIGHT	STAGE NUMBER	NUMBER OF ENGINES
150000	3	3

SEG. NO.	TYPE	FLAP	START ALT (FT)	END ALT (FT)	CALIBRATED START SPEED (KCAS)	CALIBRATED END SPEED (KCAS)	SEG. LNGTH (FT)	THRST (LB)	R/C (FPM)	GRAD
1	TKOFF	5	0	0	16	161	5522	11806	0	0.00000
2	CLIMB	5	0	1000	161	161	6878	11779	2384	0.14539
3	ACCEL	5	1000	1071	161	165	947	11735	1192	0.07136
4	ACCEL	2	1071	1539	165	195	6931	11573	1192	0.06427
5	ACCEL	ZERO	1539	1649	195	205	2174	10360	1000	0.04829
6	CLIMB	ZERO	1649	3000	205	205	11234	10298	2584	0.12024
7	ACCEL	ZERO	3000	3582	205	250	13368	10098	1000	0.04136
8	CLIMB	ZERO	3582	5500	250	250	19305	9906	2692	0.09938
9	CLIMB	ZERO	5500	7500	250	250	22691	9921	2460	0.08814
10	CLIMB	ZERO	7500	10000	250	250	32551	9991	2219	0.07680

SEG. NO.	TYPE	FLAP	THRUST TYPE	VALUE
1	TKOFF	5	MAX TKOFF	
2	CLIMB	5	MAX TKOFF	
3	ACCEL	5	MAX TKOFF	
4	ACCEL	2	MAX TKOFF	
5	ACCEL	ZERO	MAX CLIMB	
6	CLIMB	ZERO	MAX CLIMB	
7	ACCEL	ZERO	MAX CLIMB	
8	CLIMB	ZERO	MAX CLIMB	
9	CLIMB	ZERO	MAX CLIMB	
10	CLIMB	ZERO	MAX CLIMB	

TAKEOFF PROFILE DATA (HEADWIND = 8 KT) 06-19-1991 14:31:27

AIRCRAFT ID NUMBER	AIRCRAFT AND ENGINE NAMES	AIRCRAFT CATEGORY
025	B727-100/JT8D-7	JCOM

	DISTANCE FROM BRAKE RELEASE (FT)	HEIGHT (FT)	SPEED (KTAS)	THRUST (LB)
POINT 1	0	0	16	13078
POINT 2	5522	0	161	11806
POINT 3	12400	1000	163	11755
POINT 4	13347	1071	168	11714
POINT 5	20278	1539	199	11431
POINT 6	21278	1590	204	10402
POINT 7	22452	1649	210	10318
POINT 8	33686	3000	214	10282
POINT 9	47054	3582	264	9913
POINT 10	66359	5500	271	9908
POINT 11	89051	7500	280	9946
POINT 12	121601	10000	291	0

THRUST FOR LEVEL FLIGHT	GRADIENT AT TAKE-OFF POWER	TAKE-OFF THRUST	GRADIENT AT CLIMB POWER
4626	0.145389	11779	0.107179

CLIMB THRUST	GRADIENT AT FAR36 CUTBACK	THRUST FOR ENGINE OUT LEVEL FLIGHT	VZF (KCAS)
10647	0.043147	6939	205

NUMBER OF ENGINES	RATED THRUST LB	AIRCRAFT WEIGHT (LB)	STAGE NUMBER
3	14000	150000	3

TAKEOFF SEGMENTS DATA (HEADWIND = 8 KT) 06-19-1991 14:33:20

AIRCRAFT ID NUMBER	AIRCRAFT AND ENGINE NAMES	AIRCRAFT CATEGORY
025	B727-100/JT8D-7	JCOM

AIRCRAFT WEIGHT	STAGE NUMBER	NUMBER OF ENGINES
158000	4	3

SEG. NO.	TYPE	FLAP	START ALT (FT)	END ALT (FT)	CALIBRATED START SPEED (KCAS)	CALIBRATED END SPEED (KCAS)	SEG. LNGTH (FT)	THRST (LB)	R/C (FPM)	GRAD
1	TKOFF	5	0	0	16	165	6146	11769	0	0.00000
2	CLIMB	5	0	1000	165	165	7548	11742	2230	0.13249
3	ACCEL	5	1000	1086	165	170	1264	11694	1115	0.06488
4	ACCEL	2	1086	1568	170	200	7850	11528	1115	0.05845
5	ACCEL	ZERO	1568	1694	200	210	2537	10319	1000	0.04708
6	CLIMB	ZERO	1694	3000	210	210	11860	10257	2425	0.11013
7	ACCEL	ZERO	3000	3592	210	250	13765	10078	1000	0.04091
8	CLIMB	ZERO	3592	5500	250	250	20926	9906	2470	0.09117
9	CLIMB	ZERO	5500	7500	250	250	24828	9921	2248	0.08055
10	CLIMB	ZERO	7500	10000	250	250	35811	9991	2017	0.06981

SEG. NO.	TYPE	FLAP	THRUST TYPE	VALUE
1	TKOFF	5	MAX TKOFF	
2	CLIMB	5	MAX TKOFF	
3	ACCEL	5	MAX TKOFF	
4	ACCEL	2	MAX TKOFF	
5	ACCEL	ZERO	MAX CLIMB	
6	CLIMB	ZERO	MAX CLIMB	
7	ACCEL	ZERO	MAX CLIMB	
8	CLIMB	ZERO	MAX CLIMB	
9	CLIMB	ZERO	MAX CLIMB	
10	CLIMB	ZERO	MAX CLIMB	

TAKEOFF PROFILE DATA (HEADWIND = 8 KT) 06-19-1991 14:33:25

AIRCRAFT ID NUMBER	AIRCRAFT AND ENGINE NAMES	AIRCRAFT CATEGORY
025	B727-100/JT8D-7	JCOM

	DISTANCE FROM BRAKE RELEASE (FT)	HEIGHT (FT)	SPEED (KTAS)	THRUST (LB)
POINT 1	0	0	16	13078
POINT 2	6146	0	165	11769
POINT 3	13693	1000	167	11718
POINT 4	14958	1086	173	11670
POINT 5	22808	1568	205	11386
POINT 6	23808	1618	209	10361
POINT 7	25345	1694	215	10277
POINT 8	37205	3000	220	10242
POINT 9	50969	3592	264	9913
POINT 10	71895	5500	271	9908
POINT 11	96723	7500	280	9946
POINT 12	132534	10000	291	0

THRUST FOR LEVEL FLIGHT	GRADIENT AT TAKE-OFF POWER	TAKE-OFF THRUST	GRADIENT AT CLIMB POWER
4873	0.132492	11742	0.096479

CLIMB THRUST	GRADIENT AT FAR36 CUTBACK	THRUST FOR ENGINE OUT LEVEL FLIGHT	VZF (KCAS)
10614	0.043147	7309	210

NUMBER OF ENGINES	RATED THRUST LB	AIRCRAFT WEIGHT (LB)	STAGE NUMBER
3	14000	158000	4

APPROACH PROFILE DATA (HEADWIND = 8 KT) 02-15-1992 12:39:35

AIRCRAFT ID NUMBER	AIRCRAFT AND ENGINE NAMES	AIRCRAFT CATEGORY
025	B727-100/JT8D-7	JCOM

	DISTANCE FROM RW THRESHOLD (FT)	HEIGHT (FT)	SPEED (KTAS)	THRUST (LB)	FLAPS
POINT 1	113533	6000	273	682	ZERO
POINT 2	56289	3000	167	1817	5
POINT 3	27668	1500	128	3500	D 25
POINT 4	18127	1000	125	4215	D 30
POINT 5	-954	0	123	4065	D 30
POINT 6	-1297	0	117	8400	
POINT 7	-4380	0	30	1400	

NUMBER OF ENGINES	RATED THRUST LB	AIRCRAFT WEIGHT (LB)	GLIDE SLOPE
3	14000	128250	3.00

TAKEOFF SEGMENTS DATA (HEADWIND = 8 KT) 06-19-1991 15:13:16

AIRCRAFT ID NUMBER	AIRCRAFT AND ENGINE NAMES	AIRCRAFT CATEGORY
026	B727-200/JT8D-15	JCOM

AIRCRAFT WEIGHT	STAGE NUMBER	NUMBER OF ENGINES
156000	1	3

SEG. NO.	TYPE	FLAP	START ALT (FT)	END ALT (FT)	CALIBRATED START SPEED (KCAS)	CALIBRATED END SPEED (KCAS)	SEG. LNGTH (FT)	THRST (LB)	R/C (FPM)	GRAD
1	TKOFF	5	0	0	16	162	5460	13462	0	0.00000
2	CLIMB	5	0	1000	162	162	6052	13572	2725	0.16523
3	ACCEL	5	1000	1136	162	170	1616	13643	1363	0.08017
4	ACCEL	2	1136	1553	170	200	5558	13525	1363	0.07149
5	ACCEL	ZERO	1553	1637	200	210	1695	12121	1000	0.04711
6	CLIMB	ZERO	1637	3000	210	210	9380	12161	3198	0.14530
7	ACCEL	ZERO	3000	3371	210	250	8606	12064	1000	0.04098
8	CLIMB	ZERO	3371	5500	250	250	16938	11925	3399	0.12570
9	CLIMB	ZERO	5500	7500	250	250	18310	11765	3048	0.10923
10	CLIMB	ZERO	7500	10000	250	250	27968	11335	2583	0.08939

SEG. NO.	TYPE	FLAP	THRUST TYPE	VALUE
1	TKOFF	5	MAX TKOFF	
2	CLIMB	5	MAX TKOFF	
3	ACCEL	5	MAX TKOFF	
4	ACCEL	2	MAX TKOFF	
5	ACCEL	ZERO	MAX CLIMB	
6	CLIMB	ZERO	MAX CLIMB	
7	ACCEL	ZERO	MAX CLIMB	
8	CLIMB	ZERO	MAX CLIMB	
9	CLIMB	ZERO	MAX CLIMB	
10	CLIMB	ZERO	MAX CLIMB	

TAKEOFF PROFILE DATA (HEADWIND = 8 KT) 06-19-1991 15:13:19

AIRCRAFT ID NUMBER	AIRCRAFT AND ENGINE NAMES	AIRCRAFT CATEGORY
026	B727-200/JT8D-15	JCOM

	DISTANCE FROM BRAKE RELEASE (FT)	HEIGHT (FT)	SPEED (KTAS)	THRUST (LB)
POINT 1	0	0	16	14694
POINT 2	5460	0	162	13462
POINT 3	11513	1000	164	13667
POINT 4	13129	1136	173	13619
POINT 5	18687	1553	205	13430
POINT 6	19687	1603	211	12154
POINT 7	20381	1637	215	12088
POINT 8	29761	3000	220	12209
POINT 9	38368	3371	263	11919
POINT 10	55306	5500	271	11871
POINT 11	73616	7500	280	11607
POINT 12	101584	10000	291	0

THRUST FOR LEVEL FLIGHT	GRADIENT AT TAKE-OFF POWER	TAKE-OFF THRUST	GRADIENT AT CLIMB POWER
5136	0.165232	13572	0.127656

CLIMB THRUST	GRADIENT AT FAR36 CUTBACK	THRUST FOR ENGINE OUT LEVEL FLIGHT	VZF (KCAS)
12547	0.046069	7705	210

NUMBER OF ENGINES	RATED THRUST LB	AIRCRAFT WEIGHT (LB)	STAGE NUMBER
3	15500	156000	1

TAKEOFF SEGMENTS DATA (HEADWIND = 8 KT) 06-19-1991 15:14:27

AIRCRAFT ID NUMBER	AIRCRAFT AND ENGINE NAMES	AIRCRAFT CATEGORY
026	B727-200/JT8D-15	JCOM

AIRCRAFT WEIGHT	STAGE NUMBER	NUMBER OF ENGINES
164000	2	3

SEG. NO.	TYPE	FLAP	START ALT (FT)	END ALT (FT)	CALIBRATED START SPEED (KCAS)	CALIBRATED END SPEED (KCAS)	SEG. LNGTH (FT)	THRST (LB)	R/C (FPM)	GRAD
1	TKOFF	5	0	0	16	166	6050	13428	0	0.00000
2	CLIMB	5	0	1000	166	166	6602	13537	2561	0.15147
3	ACCEL	5	1000	1072	166	170	917	13620	1281	0.07443
4	ACCEL	2	1072	1499	170	200	6055	13515	1281	0.06723
5	ACCEL	ZERO	1499	1592	200	210	1877	12115	1000	0.04714
6	CLIMB	ZERO	1592	3000	210	210	10414	12159	2974	0.13517
7	ACCEL	ZERO	3000	3414	210	250	9603	12065	1000	0.04097
8	CLIMB	ZERO	3414	5500	250	250	17936	11924	3147	0.11631
9	CLIMB	ZERO	5500	7500	250	250	19831	11765	2815	0.10085
10	CLIMB	ZERO	7500	10000	250	250	30482	11335	2370	0.08202

SEG. NO.	TYPE	FLAP	THRUST TYPE	VALUE
1	TKOFF	5	MAX TKOFF	
2	CLIMB	5	MAX TKOFF	
3	ACCEL	5	MAX TKOFF	
4	ACCEL	2	MAX TKOFF	
5	ACCEL	ZERO	MAX CLIMB	
6	CLIMB	ZERO	MAX CLIMB	
7	ACCEL	ZERO	MAX CLIMB	
8	CLIMB	ZERO	MAX CLIMB	
9	CLIMB	ZERO	MAX CLIMB	
10	CLIMB	ZERO	MAX CLIMB	

TAKEOFF PROFILE DATA (HEADWIND = 8 KT) 06-19-1991 15:14:32

AIRCRAFT ID NUMBER	AIRCRAFT AND ENGINE NAMES	AIRCRAFT CATEGORY
026	B727-200/JT8D-15	JCOM

	DISTANCE FROM BRAKE RELEASE (FT)	HEIGHT (FT)	SPEED (KTAS)	THRUST (LB)
POINT 1	0	0	16	14694
POINT 2	6050	0	166	13428
POINT 3	12652	1000	168	13632
POINT 4	13570	1072	173	13608
POINT 5	19625	1499	204	13422
POINT 6	20625	1549	210	12147
POINT 7	21502	1592	215	12083
POINT 8	31916	3000	220	12209
POINT 9	41519	3414	263	11921
POINT 10	59455	5500	271	11871
POINT 11	79287	7500	280	11607
POINT 12	109769	10000	291	0

THRUST FOR LEVEL FLIGHT	GRADIENT AT TAKE-OFF POWER	TAKE-OFF THRUST	GRADIENT AT CLIMB POWER
5400	0.151473	13537	0.116019

CLIMB THRUST	GRADIENT AT FAR36 CUTBACK	THRUST FOR ENGINE OUT LEVEL FLIGHT	VZF (KCAS)
12515	0.046069	8100	210

NUMBER OF ENGINES	RATED THRUST LB	AIRCRAFT WEIGHT (LB)	STAGE NUMBER
3	15500	164000	2

TAKEOFF SEGMENTS DATA (HEADWIND = 8 KT) 06-19-1991 15:15:49

AIRCRAFT ID NUMBER	AIRCRAFT AND ENGINE NAMES	AIRCRAFT CATEGORY
026	B727-200/JT8D-15	JCOM

AIRCRAFT WEIGHT	STAGE NUMBER	NUMBER OF ENGINES
175000	3	3

SEG. NO.	TYPE	FLAP	START ALT (FT)	END ALT (FT)	CALIBRATED START SPEED (KCAS)	CALIBRATED END SPEED (KCAS)	SEG. LNGTH (FT)	THRST (LB)	R/C (FPM)	GRAD
1	TKOFF	5	0	0	16	171	6913	13382	0	0.00000
2	CLIMB	5	0	1000	171	171	7421	13491	2353	0.13474
3	ACCEL	5	1000	1066	171	175	949	13575	1177	0.06628
4	ACCEL	2	1066	1504	175	205	6936	13473	1177	0.06012
5	ACCEL	ZERO	1504	1612	205	215	2219	12078	1000	0.04601
6	CLIMB	ZERO	1612	3000	215	215	11380	12122	2749	0.12201
7	ACCEL	ZERO	3000	3420	215	250	9857	12046	1000	0.04053
8	CLIMB	ZERO	3420	5500	250	250	19803	11924	2842	0.10503
9	CLIMB	ZERO	5500	7500	250	250	22074	11765	2529	0.09061
10	CLIMB	ZERO	7500	10000	250	250	34247	11335	2109	0.07300

SEG. NO.	TYPE	FLAP	THRUST TYPE	VALUE
1	TKOFF	5	MAX TKOFF	
2	CLIMB	5	MAX TKOFF	
3	ACCEL	5	MAX TKOFF	
4	ACCEL	2	MAX TKOFF	
5	ACCEL	ZERO	MAX CLIMB	
6	CLIMB	ZERO	MAX CLIMB	
7	ACCEL	ZERO	MAX CLIMB	
8	CLIMB	ZERO	MAX CLIMB	
9	CLIMB	ZERO	MAX CLIMB	
10	CLIMB	ZERO	MAX CLIMB	

TAKEOFF PROFILE DATA (HEADWIND = 8 KT) 06-19-1991 15:15:52

AIRCRAFT ID NUMBER	AIRCRAFT AND ENGINE NAMES	AIRCRAFT CATEGORY
026	B727-200/JT8D-15	JCOM

	DISTANCE FROM BRAKE RELEASE (FT)	HEIGHT (FT)	SPEED (KTAS)	THRUST (LB)
POINT 1	0	0	16	14694
POINT 2	6913	0	171	13382
POINT 3	14335	1000	174	13586
POINT 4	15283	1066	178	13565
POINT 5	22219	1504	210	13381
POINT 6	23219	1553	214	12109
POINT 7	24438	1612	220	12047
POINT 8	35818	3000	225	12171
POINT 9	45675	3420	263	11921
POINT 10	65477	5500	271	11871
POINT 11	87551	7500	280	11607
POINT 12	121798	10000	291	0

THRUST FOR LEVEL FLIGHT	GRADIENT AT TAKE-OFF POWER	TAKE-OFF THRUST	GRADIENT AT CLIMB POWER
5762	0.134745	13491	0.101838

CLIMB THRUST	GRADIENT AT FAR36 CUTBACK	THRUST FOR ENGINE OUT LEVEL FLIGHT	VZF (KCAS)
12474	0.046069	8643	215

NUMBER OF ENGINES	RATED THRUST LB	AIRCRAFT WEIGHT (LB)	STAGE NUMBER
3	15500	175000	3

TAKEOFF SEGMENTS DATA (HEADWIND = 8 KT) 06-19-1991 15:17:16

AIRCRAFT ID NUMBER	AIRCRAFT AND ENGINE NAMES	AIRCRAFT CATEGORY
026	B727-200/JT8D-15	JCOM

AIRCRAFT WEIGHT	STAGE NUMBER	NUMBER OF ENGINES
189000	4	3

SEG. NO.	TYPE	FLAP	START ALT (FT)	END ALT (FT)	CALIBRATED START SPEED (KCAS)	CALIBRATED END SPEED (KCAS)	SEG. LNGTH (FT)	THRST (LB)	R/C (FPM)	GRAD
1	TKOFF	5	0	0	16	178	8098	13325	0	0.00000
2	CLIMB	5	0	1000	178	178	8589	13434	2113	0.11643
3	ACCEL	5	1000	1038	178	180	628	13523	1057	0.05756
4	ACCEL	2	1038	1489	180	210	8152	13427	1057	0.05260
5	ACCEL	ZERO	1489	1618	210	220	2732	12039	1000	0.04494
6	CLIMB	ZERO	1618	3000	220	220	12829	12084	2484	0.10774
7	ACCEL	ZERO	3000	3438	220	250	10380	12027	1000	0.04009
8	CLIMB	ZERO	3438	5500	250	250	22275	11924	2505	0.09258
9	CLIMB	ZERO	5500	7500	250	250	25213	11765	2214	0.07932
10	CLIMB	ZERO	7500	10000	250	250	39644	11335	1822	0.06306

SEG. NO.	TYPE	FLAP	THRUST TYPE	VALUE
1	TKOFF	5	MAX TKOFF	
2	CLIMB	5	MAX TKOFF	
3	ACCEL	5	MAX TKOFF	
4	ACCEL	2	MAX TKOFF	
5	ACCEL	ZERO	MAX CLIMB	
6	CLIMB	ZERO	MAX CLIMB	
7	ACCEL	ZERO	MAX CLIMB	
8	CLIMB	ZERO	MAX CLIMB	
9	CLIMB	ZERO	MAX CLIMB	
10	CLIMB	ZERO	MAX CLIMB	

TAKEOFF PROFILE DATA (HEADWIND = 8 KT) 06-19-1991 15:17:20

AIRCRAFT ID NUMBER	AIRCRAFT AND ENGINE NAMES	AIRCRAFT CATEGORY
026	B727-200/JT8D-15	JCOM

	DISTANCE FROM BRAKE RELEASE (FT)	HEIGHT (FT)	SPEED (KTAS)	THRUST (LB)
POINT 1	0	0	16	14694
POINT 2	8098	0	178	13325
POINT 3	16687	1000	181	13529
POINT 4	17314	1038	183	13518
POINT 5	25466	1489	215	13336
POINT 6	26466	1536	219	12069
POINT 7	28198	1618	225	12009
POINT 8	41027	3000	230	12133
POINT 9	51407	3438	263	11921
POINT 10	73682	5500	271	11871
POINT 11	98895	7500	280	11607
POINT 12	138539	10000	291	0

THRUST FOR LEVEL FLIGHT	GRADIENT AT TAKE-OFF POWER	TAKE-OFF THRUST	GRADIENT AT CLIMB POWER
6223	0.116431	13434	0.086274

CLIMB THRUST	GRADIENT AT FAR36 CUTBACK	THRUST FOR ENGINE OUT LEVEL FLIGHT	VZF (KCAS)
12422	0.046069	9335	220

NUMBER OF ENGINES	RATED THRUST LB	AIRCRAFT WEIGHT (LB)	STAGE NUMBER
3	15500	189000	4

TAKEOFF SEGMENTS DATA (HEADWIND = 8 KT) 06-19-1991 15:20:04

AIRCRAFT ID NUMBER	AIRCRAFT AND ENGINE NAMES	AIRCRAFT CATEGORY
026	B727-200/JT8D-15	JCOM

AIRCRAFT WEIGHT	STAGE NUMBER	NUMBER OF ENGINES
204000	5	3

SEG. NO.	TYPE	FLAP	START ALT (FT)	END ALT (FT)	CALIBRATED START SPEED (KCAS)	CALIBRATED END SPEED (KCAS)	SEG. LNGTH (FT)	THRST (LB)	R/C (FPM)	GRAD
1	TKOFF	5	0	0	16	185	9476	13266	0	0.00000
2	CLIMB	5	0	1000	185	185	10027	13376	1881	0.09973
3	ACCEL	2	1000	1388	185	210	7980	13396	941	0.04629
4	ACCEL	ZERO	1388	1547	210	220	3353	12028	1000	0.04499
5	CLIMB	ZERO	1547	3000	220	220	15231	12080	2198	0.09539
6	ACCEL	ZERO	3000	3550	220	250	13045	12029	1000	0.04005
7	CLIMB	ZERO	3550	5500	250	250	24103	11923	2191	0.08092
8	CLIMB	ZERO	5500	7500	250	250	28993	11765	1925	0.06898
9	CLIMB	ZERO	7500	10000	250	250	46344	11335	1559	0.05394

SEG. NO.	TYPE	FLAP	THRUST TYPE	VALUE
1	TKOFF	5	MAX TKOFF	
2	CLIMB	5	MAX TKOFF	
3	ACCEL	2	MAX TKOFF	
4	ACCEL	ZERO	MAX CLIMB	
5	CLIMB	ZERO	MAX CLIMB	
6	ACCEL	ZERO	MAX CLIMB	
7	CLIMB	ZERO	MAX CLIMB	
8	CLIMB	ZERO	MAX CLIMB	
9	CLIMB	ZERO	MAX CLIMB	

TAKEOFF PROFILE DATA (HEADWIND = 8 KT) 06-19-1991 15:20:07

AIRCRAFT ID NUMBER	AIRCRAFT AND ENGINE NAMES	AIRCRAFT CATEGORY
026	B727-200/JT8D-15	JCOM

	DISTANCE FROM BRAKE RELEASE (FT)	HEIGHT (FT)	SPEED (KTAS)	THRUST (LB)
POINT 1	0	0	16	14694
POINT 2	9476	0	185	13266
POINT 3	19502	1000	188	13470
POINT 4	27482	1388	214	13321
POINT 5	28482	1436	218	12056
POINT 6	30835	1547	225	12000
POINT 7	46066	3000	230	12133
POINT 8	59112	3550	263	11924
POINT 9	83215	5500	271	11871
POINT 10	112208	7500	280	11607
POINT 11	158552	10000	291	0

THRUST FOR LEVEL FLIGHT	GRADIENT AT TAKE-OFF POWER	TAKE-OFF THRUST	GRADIENT AT CLIMB POWER
6717	0.099734	13376	0.072052

CLIMB THRUST	GRADIENT AT FAR36 CUTBACK	THRUST FOR ENGINE OUT LEVEL FLIGHT	VZF (KCAS)
12369	0.046069	10075	220

NUMBER OF ENGINES	RATED THRUST LB	AIRCRAFT WEIGHT (LB)	STAGE NUMBER
3	15500	204000	5

APPROACH PROFILE DATA (HEADWIND = 8 KT) 02-15-1992 12:43:42

AIRCRAFT ID NUMBER	AIRCRAFT AND ENGINE NAMES	AIRCRAFT CATEGORY
026	B727-200/JT8D-15	JCOM

	DISTANCE FROM RW THRESHOLD (FT)	HEIGHT (FT)	SPEED (KTAS)	THRUST (LB)	FLAPS
POINT 1	113533	6000	273	809	ZERO
POINT 2	56289	3000	167	2495	5
POINT 3	27668	1500	153	3144	D 25
POINT 4	18127	1000	150	4855	D 30
POINT 5	-954	0	148	4682	D 30
POINT 6	-1302	0	140	9300	
POINT 7	-4430	0	30	1550	

NUMBER OF ENGINES	RATED THRUST LB	AIRCRAFT WEIGHT (LB)	GLIDE SLOPE
3	15500	152100	3.00

TAKEOFF SEGMENTS DATA (HEADWIND = 8 KT) 06-19-1991 14:38:16

AIRCRAFT ID NUMBER	AIRCRAFT AND ENGINE NAMES	AIRCRAFT CATEGORY
027	B727-200/JT8D-9	JCOM

AIRCRAFT WEIGHT	STAGE NUMBER	NUMBER OF ENGINES
156000	1	3

SEG. NO.	TYPE	FLAP	START ALT (FT)	END ALT (FT)	CALIBRATED START SPEED (KCAS)	CALIBRATED END SPEED (KCAS)	SEG. LNGTH (FT)	THRST (LB)	R/C (FPM)	GRAD
1	TKOFF	5	0	0	16	162	5979	12295	0	0.00000
2	CLIMB	5	0	1000	162	162	7143	12294	2308	0.13999
3	ACCEL	5	1000	1305	162	170	3215	12251	1539	0.09048
4	ACCEL	2	1305	2158	170	200	10122	12075	1539	0.08030
5	ACCEL	ZERO	2158	2266	200	210	2211	11059	1000	0.04668
6	CLIMB	ZERO	2266	3000	210	210	5953	11009	2725	0.12324
7	ACCEL	ZERO	3000	3474	210	250	11009	10830	1000	0.04095
8	CLIMB	ZERO	3474	5500	250	250	19337	10624	2836	0.10477
9	CLIMB	ZERO	5500	7500	250	250	21952	10522	2543	0.09111
10	CLIMB	ZERO	7500	10000	250	250	32693	10366	2210	0.07647

SEG. NO.	TYPE	FLAP	THRUST TYPE	VALUE
1	TKOFF	5	MAX TKOFF	
2	CLIMB	5	MAX TKOFF	
3	ACCEL	5	MAX TKOFF	
4	ACCEL	2	MAX TKOFF	
5	ACCEL	ZERO	MAX CLIMB	
6	CLIMB	ZERO	MAX CLIMB	
7	ACCEL	ZERO	MAX CLIMB	
8	CLIMB	ZERO	MAX CLIMB	
9	CLIMB	ZERO	MAX CLIMB	
10	CLIMB	ZERO	MAX CLIMB	

TAKEOFF PROFILE DATA (HEADWIND = 8 KT) 06-19-1991 14:38:20

AIRCRAFT ID NUMBER	AIRCRAFT AND ENGINE NAMES	AIRCRAFT CATEGORY
027	B727-200/JT8D-9	JCOM

	DISTANCE FROM BRAKE RELEASE (FT)	HEIGHT (FT)	SPEED (KTAS)	THRUST (LB)
POINT 1	0	0	16	13566
POINT 2	5979	0	162	12295
POINT 3	13122	1000	164	12290
POINT 4	16338	1305	173	12213
POINT 5	26460	2158	206	11936
POINT 6	27460	2207	211	11101
POINT 7	28671	2266	217	11017
POINT 8	34624	3000	220	11000
POINT 9	45633	3474	263	10661
POINT 10	64970	5500	271	10577
POINT 11	86922	7500	280	10458
POINT 12	119615	10000	291	0

THRUST FOR LEVEL FLIGHT	GRADIENT AT TAKE-OFF POWER	TAKE-OFF THRUST	GRADIENT AT CLIMB POWER
5136	0.139990	12294	0.106986

CLIMB THRUST	GRADIENT AT FAR36 CUTBACK	THRUST FOR ENGINE OUT LEVEL FLIGHT	VZF (KCAS)
11405	0.046069	7705	210

NUMBER OF ENGINES	RATED THRUST LB	AIRCRAFT WEIGHT (LB)	STAGE NUMBER
3	14500	156000	1

TAKEOFF SEGMENTS DATA (HEADWIND = 8 KT) 06-19-1991 14:40:44

AIRCRAFT ID NUMBER	AIRCRAFT AND ENGINE NAMES	AIRCRAFT CATEGORY
027	B727-200/JT8D-9	JCOM

AIRCRAFT WEIGHT	STAGE NUMBER	NUMBER OF ENGINES
168000	2	3

SEG. NO.	TYPE	FLAP	START ALT (FT)	END ALT (FT)	CALIBRATED START SPEED (KCAS)	CALIBRATED END SPEED (KCAS)	SEG. LNGTH (FT)	THRST (LB)	R/C (FPM)	GRAD
1	TKOFF	5	0	0	16	168	6964	12242	0	0.00000
2	CLIMB	5	0	1000	168	168	8208	12240	2085	0.12184
3	ACCEL	5	1000	1087	168	170	1037	12226	1390	0.08031
4	ACCEL	2	1087	1965	170	200	11505	12078	1390	0.07270
5	ACCEL	ZERO	1965	2093	200	210	2600	11063	1000	0.04680
6	CLIMB	ZERO	2093	3000	210	210	8204	11011	2440	0.11051
7	ACCEL	ZERO	3000	3575	210	250	13363	10829	1000	0.04091
8	CLIMB	ZERO	3575	5500	250	250	20807	10622	2506	0.09251
9	CLIMB	ZERO	5500	7500	250	250	24940	10522	2238	0.08019
10	CLIMB	ZERO	7500	10000	250	250	37520	10366	1925	0.06663

SEG. NO.	TYPE	FLAP	THRUST TYPE	VALUE
1	TKOFF	5	MAX TKOFF	
2	CLIMB	5	MAX TKOFF	
3	ACCEL	5	MAX TKOFF	
4	ACCEL	2	MAX TKOFF	
5	ACCEL	ZERO	MAX CLIMB	
6	CLIMB	ZERO	MAX CLIMB	
7	ACCEL	ZERO	MAX CLIMB	
8	CLIMB	ZERO	MAX CLIMB	
9	CLIMB	ZERO	MAX CLIMB	
10	CLIMB	ZERO	MAX CLIMB	

TAKEOFF PROFILE DATA (HEADWIND = 8 KT) 06-19-1991 14:40:48

AIRCRAFT ID NUMBER	AIRCRAFT AND ENGINE NAMES	AIRCRAFT CATEGORY
027	B727-200/JT8D-9	JCOM

	DISTANCE FROM BRAKE RELEASE (FT)	HEIGHT (FT)	SPEED (KTAS)	THRUST (LB)
POINT 1	0	0	16	13566
POINT 2	6964	0	168	12242
POINT 3	15172	1000	170	12236
POINT 4	16208	1087	173	12216
POINT 5	27713	1965	206	11940
POINT 6	28713	2015	210	11104
POINT 7	30313	2093	217	11021
POINT 8	38517	3000	220	11000
POINT 9	51880	3575	264	10657
POINT 10	72688	5500	271	10577
POINT 11	97628	7500	280	10458
POINT 12	135148	10000	291	0

THRUST FOR LEVEL FLIGHT	GRADIENT AT TAKE-OFF POWER	TAKE-OFF THRUST	GRADIENT AT CLIMB POWER
5532	0.121839	12240	0.091498

CLIMB THRUST	GRADIENT AT FAR36 CUTBACK	THRUST FOR ENGINE OUT LEVEL FLIGHT	VZF (KCAS)
11355	0.046069	8297	210

NUMBER OF ENGINES	RATED THRUST LB	AIRCRAFT WEIGHT (LB)	STAGE NUMBER
3	14500	168000	2

TAKEOFF SEGMENTS DATA (HEADWIND = 8 KT) 06-19-1991 14:42:58

AIRCRAFT ID NUMBER	AIRCRAFT AND ENGINE NAMES	AIRCRAFT CATEGORY
027	B727-200/JT8D-9	JCOM

AIRCRAFT WEIGHT	STAGE NUMBER	NUMBER OF ENGINES
180000	3	3

SEG. NO.	TYPE	FLAP	START ALT (FT)	END ALT (FT)	CALIBRATED START SPEED (KCAS)	CALIBRATED END SPEED (KCAS)	SEG. LNGTH (FT)	THRST (LB)	R/C (FPM)	GRAD
1	TKOFF	5	0	0	16	174	8028	12191	0	0.00000
2	CLIMB	5	0	1000	174	174	9413	12189	1882	0.10623
3	ACCEL	5	1000	1257	174	180	3545	12156	1255	0.06910
4	ACCEL	2	1257	2173	180	210	14049	11988	1255	0.06206
5	ACCEL	ZERO	2173	2330	210	220	3353	10977	1000	0.04447
6	CLIMB	ZERO	2330	3000	220	220	6904	10927	2249	0.09704
7	ACCEL	ZERO	3000	3522	220	250	12379	10789	1000	0.04006
8	CLIMB	ZERO	3522	5500	250	250	24013	10623	2231	0.08239
9	CLIMB	ZERO	5500	7500	250	250	28267	10522	1975	0.07075
10	CLIMB	ZERO	7500	10000	250	250	43013	10366	1679	0.05812

SEG. NO.	TYPE	FLAP	THRUST TYPE	VALUE
1	TKOFF	5	MAX TKOFF	
2	CLIMB	5	MAX TKOFF	
3	ACCEL	5	MAX TKOFF	
4	ACCEL	2	MAX TKOFF	
5	ACCEL	ZERO	MAX CLIMB	
6	CLIMB	ZERO	MAX CLIMB	
7	ACCEL	ZERO	MAX CLIMB	
8	CLIMB	ZERO	MAX CLIMB	
9	CLIMB	ZERO	MAX CLIMB	
10	CLIMB	ZERO	MAX CLIMB	

TAKEOFF PROFILE DATA (HEADWIND = 8 KT) 06-19-1991 14:43:02

AIRCRAFT ID NUMBER	AIRCRAFT AND ENGINE NAMES	AIRCRAFT CATEGORY
027	B727-200/JT8D-9	JCOM

	DISTANCE FROM BRAKE RELEASE (FT)	HEIGHT (FT)	SPEED (KTAS)	THRUST (LB)
POINT 1	0	0	16	13566
POINT 2	8028	0	174	12191
POINT 3	17441	1000	176	12185
POINT 4	20987	1257	183	12126
POINT 5	35036	2173	217	11849
POINT 6	36036	2220	220	11019
POINT 7	38389	2330	228	10935
POINT 8	45293	3000	230	10918
POINT 9	57671	3522	263	10659
POINT 10	81685	5500	271	10577
POINT 11	109952	7500	280	10458
POINT 12	152965	10000	291	0

THRUST FOR LEVEL FLIGHT	GRADIENT AT TAKE-OFF POWER	TAKE-OFF THRUST	GRADIENT AT CLIMB POWER
5927	0.106235	12189	0.078154

CLIMB THRUST	GRADIENT AT FAR36 CUTBACK	THRUST FOR ENGINE OUT LEVEL FLIGHT	VZF (KCAS)
11308	0.046069	8890	220

NUMBER OF ENGINES	RATED THRUST LB	AIRCRAFT WEIGHT (LB)	STAGE NUMBER
3	14500	180000	3

TAKEOFF SEGMENTS DATA (HEADWIND = 8 KT) 06-19-1991 14:46:46

AIRCRAFT ID NUMBER	AIRCRAFT AND ENGINE NAMES	AIRCRAFT CATEGORY
027	B727-200/JT8D-9	JCOM

AIRCRAFT WEIGHT	STAGE NUMBER	NUMBER OF ENGINES
191000	4	3

SEG. NO.	TYPE	FLAP	START ALT (FT)	END ALT (FT)	CALIBRATED START SPEED (KCAS)	CALIBRATED END SPEED (KCAS)	SEG. LNGTH (FT)	THRST (LB)	R/C (FPM)	GRAD
1	TKOFF	5	0	0	16	179	9074	12145	0	0.00000
2	CLIMB	5	0	1000	179	179	10669	12143	1710	0.09373
3	ACCEL	2	1000	1477	179	210	10635	12001	855	0.04267
4	ACCEL	ZERO	1477	1650	210	220	3659	10989	1000	0.04493
5	CLIMB	ZERO	1650	3000	220	220	15019	10935	2072	0.08988
6	ACCEL	ZERO	3000	3637	220	250	15128	10787	1000	0.04003
7	CLIMB	ZERO	3637	5500	250	250	25252	10620	1999	0.07378
8	CLIMB	ZERO	5500	7500	250	250	31666	10522	1763	0.06316
9	CLIMB	ZERO	7500	10000	250	250	48762	10366	1481	0.05127

SEG. NO.	TYPE	FLAP	THRUST TYPE	VALUE
1	TKOFF	5	MAX TKOFF	
2	CLIMB	5	MAX TKOFF	
3	ACCEL	2	MAX TKOFF	
4	ACCEL	ZERO	MAX CLIMB	
5	CLIMB	ZERO	MAX CLIMB	
6	ACCEL	ZERO	MAX CLIMB	
7	CLIMB	ZERO	MAX CLIMB	
8	CLIMB	ZERO	MAX CLIMB	
9	CLIMB	ZERO	MAX CLIMB	

TAKEOFF PROFILE DATA (HEADWIND = 8 KT) 06-19-1991 14:46:50

AIRCRAFT ID NUMBER	AIRCRAFT AND ENGINE NAMES	AIRCRAFT CATEGORY
027	B727-200/JT8D-9	JCOM

	DISTANCE FROM BRAKE RELEASE (FT)	HEIGHT (FT)	SPEED (KTAS)	THRUST (LB)
POINT 1	0	0	16	13566
POINT 2	9074	0	179	12145
POINT 3	19742	1000	181	12140
POINT 4	30377	1477	215	11862
POINT 5	31377	1525	218	11031
POINT 6	34036	1650	225	10947
POINT 7	49055	3000	230	10918
POINT 8	64183	3637	264	10655
POINT 9	89435	5500	271	10577
POINT 10	121101	7500	280	10458
POINT 11	169863	10000	291	0

THRUST FOR LEVEL FLIGHT	GRADIENT AT TAKE-OFF POWER	TAKE-OFF THRUST	GRADIENT AT CLIMB POWER
6289	0.093733	12143	0.067446

CLIMB THRUST	GRADIENT AT FAR36 CUTBACK	THRUST FOR ENGINE OUT LEVEL FLIGHT	VZF (KCAS)
11265	0.046069	9433	220

NUMBER OF ENGINES	RATED THRUST LB	AIRCRAFT WEIGHT (LB)	STAGE NUMBER
3	14500	191000	4

APPROACH PROFILE DATA (HEADWIND = 8 KT) 02-15-1992 12:42:25

AIRCRAFT ID NUMBER	AIRCRAFT AND ENGINE NAMES	AIRCRAFT CATEGORY
027	B727-200/JT8D-9	JCOM

	DISTANCE FROM RW THRESHOLD (FT)	HEIGHT (FT)	SPEED (KTAS)	THRUST (LB)	FLAPS
POINT 1	113533	6000	273	809	ZERO
POINT 2	56289	3000	167	2495	5
POINT 3	27668	1500	149	3948	D 25
POINT 4	18127	1000	145	4825	D 30
POINT 5	-954	0	143	4654	D 30
POINT 6	-1349	0	136	8700	
POINT 7	-4900	0	30	1450	

NUMBER OF ENGINES	RATED THRUST LB	AIRCRAFT WEIGHT (LB)	GLIDE SLOPE
3	14500	152100	3.00

TAKEOFF SEGMENTS DATA (HEADWIND = 8 KT) 06-19-1991 15:49:16

AIRCRAFT ID NUMBER	AIRCRAFT AND ENGINE NAMES	AIRCRAFT CATEGORY
028	B727-100/JT8D-7QN	JCOM

AIRCRAFT WEIGHT	STAGE NUMBER	NUMBER OF ENGINES
136000	1	3

SEG. NO.	TYPE	FLAP	START ALT (FT)	END ALT (FT)	CALIBRATED START SPEED (KCAS)	CALIBRATED END SPEED (KCAS)	SEG. LNGTH (FT)	THRST (LB)	R/C (FPM)	GRAD
1	TKOFF	5	0	0	16	153	4513	11874	0	0.00000
2	CLIMB	5	0	1000	153	153	5818	11846	2684	0.17189
3	ACCEL	5	1000	1110	153	160	1252	11789	1342	0.08365
4	ACCEL	2	1110	1552	160	190	5661	11616	1342	0.07444
5	ACCEL	ZERO	1552	1641	190	200	1705	10400	1000	0.04953
6	CLIMB	ZERO	1641	3000	200	200	9116	10338	3125	0.14908
7	ACCEL	ZERO	3000	3512	200	250	11624	10118	1000	0.04184
8	CLIMB	ZERO	3512	5500	250	250	17098	9906	3149	0.11630
9	CLIMB	ZERO	5500	7500	250	250	19303	9921	2892	0.10361
10	CLIMB	ZERO	7500	10000	250	250	27456	9991	2631	0.09106

SEG. NO.	TYPE	FLAP	THRUST TYPE	VALUE
1	TKOFF	5	MAX TKOFF	
2	CLIMB	5	MAX TKOFF	
3	ACCEL	5	MAX TKOFF	
4	ACCEL	2	MAX TKOFF	
5	ACCEL	ZERO	MAX CLIMB	
6	CLIMB	ZERO	MAX CLIMB	
7	ACCEL	ZERO	MAX CLIMB	
8	CLIMB	ZERO	MAX CLIMB	
9	CLIMB	ZERO	MAX CLIMB	
10	CLIMB	ZERO	MAX CLIMB	

TAKEOFF PROFILE DATA (HEADWIND = 8 KT) 06-19-1991 15:49:21

AIRCRAFT ID NUMBER	AIRCRAFT AND ENGINE NAMES	AIRCRAFT CATEGORY
028	B727-100/JT8D-7QN	JCOM

	DISTANCE FROM BRAKE RELEASE (FT)	HEIGHT (FT)	SPEED (KTAS)	THRUST (LB)
POINT 1	0	0	16	13078
POINT 2	4513	0	153	11874
POINT 3	10331	1000	155	11822
POINT 4	11582	1110	163	11756
POINT 5	17244	1552	194	11475
POINT 6	18244	1604	201	10442
POINT 7	18948	1641	205	10359
POINT 8	28064	3000	209	10322
POINT 9	39689	3512	263	9914
POINT 10	56786	5500	271	9908
POINT 11	76090	7500	280	9946
POINT 12	103545	10000	291	0

THRUST FOR LEVEL FLIGHT	GRADIENT AT TAKE-OFF POWER	TAKE-OFF THRUST	GRADIENT AT CLIMB POWER
4194	0.171895	11846	0.129097

CLIMB THRUST	GRADIENT AT FAR36 CUTBACK	THRUST FOR ENGINE OUT LEVEL FLIGHT	VZF (KCAS)
10709	0.043147	6292	200

NUMBER OF ENGINES	RATED THRUST LB	AIRCRAFT WEIGHT (LB)	STAGE NUMBER
3	14000	136000	1

TAKEOFF SEGMENTS DATA (HEADWIND = 8 KT) 06-19-1991 15:50:27

AIRCRAFT ID NUMBER	AIRCRAFT AND ENGINE NAMES	AIRCRAFT CATEGORY
028	B727-100/JT8D-7QN	JCOM

AIRCRAFT WEIGHT	STAGE NUMBER	NUMBER OF ENGINES
143000	2	3

SEG. NO.	TYPE	FLAP	START ALT (FT)	END ALT (FT)	CALIBRATED START SPEED (KCAS)	CALIBRATED END SPEED (KCAS)	SEG. LNGTH (FT)	THRST (LB)	R/C (FPM)	GRAD
1	TKOFF	5	0	0	16	157	5004	11839	0	0.00000
2	CLIMB	5	0	1000	157	157	6331	11812	2529	0.15794
3	ACCEL	5	1000	1050	157	160	609	11774	1265	0.07788
4	ACCEL	2	1050	1506	160	190	6192	11618	1265	0.07021
5	ACCEL	ZERO	1506	1605	190	200	1896	10402	1000	0.04956
6	CLIMB	ZERO	1605	3000	200	200	10069	10339	2903	0.13854
7	ACCEL	ZERO	3000	3575	200	250	13082	10118	1000	0.04182
8	CLIMB	ZERO	3575	5500	250	250	17934	9906	2907	0.10732
9	CLIMB	ZERO	5500	7500	250	250	20945	9921	2665	0.09549
10	CLIMB	ZERO	7500	10000	250	250	29913	9991	2415	0.08357

SEG. NO.	TYPE	FLAP	THRUST TYPE	VALUE
1	TKOFF	5	MAX TKOFF	
2	CLIMB	5	MAX TKOFF	
3	ACCEL	5	MAX TKOFF	
4	ACCEL	2	MAX TKOFF	
5	ACCEL	ZERO	MAX CLIMB	
6	CLIMB	ZERO	MAX CLIMB	
7	ACCEL	ZERO	MAX CLIMB	
8	CLIMB	ZERO	MAX CLIMB	
9	CLIMB	ZERO	MAX CLIMB	
10	CLIMB	ZERO	MAX CLIMB	

TAKEOFF PROFILE DATA (HEADWIND = 8 KT) 06-19-1991 15:50:32

AIRCRAFT ID NUMBER	AIRCRAFT AND ENGINE NAMES	AIRCRAFT CATEGORY
028	B727-100/JT8D-7QN	JCOM

	DISTANCE FROM BRAKE RELEASE (FT)	HEIGHT (FT)	SPEED (KTAS)	THRUST (LB)
POINT 1	0	0	16	13078
POINT 2	5004	0	157	11839
POINT 3	11336	1000	159	11788
POINT 4	11944	1050	162	11759
POINT 5	18137	1506	194	11476
POINT 6	19137	1558	200	10443
POINT 7	20032	1605	205	10360
POINT 8	30101	3000	209	10322
POINT 9	43183	3575	264	9913
POINT 10	61116	5500	271	9908
POINT 11	82062	7500	280	9946
POINT 12	111975	10000	291	0

THRUST FOR LEVEL FLIGHT	GRADIENT AT TAKE-OFF POWER	TAKE-OFF THRUST	GRADIENT AT CLIMB POWER
4410	0.157944	11812	0.117573

CLIMB THRUST	GRADIENT AT FAR36 CUTBACK	THRUST FOR ENGINE OUT LEVEL FLIGHT	VZF (KCAS)
10678	0.043147	6615	200

NUMBER OF ENGINES	RATED THRUST LB	AIRCRAFT WEIGHT (LB)	STAGE NUMBER
3	14000	143000	2

TAKEOFF SEGMENTS DATA (HEADWIND = 8 KT) 06-19-1991 15:53:11

AIRCRAFT ID NUMBER	AIRCRAFT AND ENGINE NAMES	AIRCRAFT CATEGORY
028	B727-100/JT8D-7QN	JCOM

AIRCRAFT WEIGHT	STAGE NUMBER	NUMBER OF ENGINES
158000	4	3

SEG. NO.	TYPE	FLAP	START ALT (FT)	END ALT (FT)	CALIBRATED START SPEED (KCAS)	CALIBRATED END SPEED (KCAS)	SEG. LNGTH (FT)	THRST (LB)	R/C (FPM)	GRAD
1	TKOFF	5	0	0	16	165	6146	11769	0	0.00000
2	CLIMB	5	0	1000	165	165	7548	11742	2230	0.13249
3	ACCEL	5	1000	1086	165	170	1264	11694	1115	0.06488
4	ACCEL	2	1086	1568	170	200	7850	11528	1115	0.05845
5	ACCEL	ZERO	1568	1694	200	210	2537	10319	1000	0.04708
6	CLIMB	ZERO	1694	3000	210	210	11860	10257	2425	0.11013
7	ACCEL	ZERO	3000	3592	210	250	13765	10078	1000	0.04091
8	CLIMB	ZERO	3592	5500	250	250	20926	9906	2470	0.09117
9	CLIMB	ZERO	5500	7500	250	250	24828	9921	2248	0.08055
10	CLIMB	ZERO	7500	10000	250	250	35811	9991	2017	0.06981

SEG. NO.	TYPE	FLAP	THRUST TYPE	VALUE
1	TKOFF	5	MAX TKOFF	
2	CLIMB	5	MAX TKOFF	
3	ACCEL	5	MAX TKOFF	
4	ACCEL	2	MAX TKOFF	
5	ACCEL	ZERO	MAX CLIMB	
6	CLIMB	ZERO	MAX CLIMB	
7	ACCEL	ZERO	MAX CLIMB	
8	CLIMB	ZERO	MAX CLIMB	
9	CLIMB	ZERO	MAX CLIMB	
10	CLIMB	ZERO	MAX CLIMB	

TAKEOFF PROFILE DATA (HEADWIND = 8 KT) 06-19-1991 15:53:14

AIRCRAFT ID NUMBER	AIRCRAFT AND ENGINE NAMES	AIRCRAFT CATEGORY
028	B727-100/JT8D-7QN	JCOM

	DISTANCE FROM BRAKE RELEASE (FT)	HEIGHT (FT)	SPEED (KTAS)	THRUST (LB)
POINT 1	0	0	16	13078
POINT 2	6146	0	165	11769
POINT 3	13693	1000	167	11718
POINT 4	14958	1086	173	11670
POINT 5	22808	1568	205	11386
POINT 6	23808	1618	209	10361
POINT 7	25345	1694	215	10277
POINT 8	37205	3000	220	10242
POINT 9	50969	3592	264	9913
POINT 10	71895	5500	271	9908
POINT 11	96723	7500	280	9946
POINT 12	132534	10000	291	0

THRUST FOR LEVEL FLIGHT	GRADIENT AT TAKE-OFF POWER	TAKE-OFF THRUST	GRADIENT AT CLIMB POWER
4873	0.132492	11742	0.096479

CLIMB THRUST	GRADIENT AT FAR36 CUTBACK	THRUST FOR ENGINE OUT LEVEL FLIGHT	VZF (KCAS)
10614	0.043147	7309	210

NUMBER OF ENGINES	RATED THRUST LB	AIRCRAFT WEIGHT (LB)	STAGE NUMBER
3	14000	158000	4

APPROACH PROFILE DATA (HEADWIND = 8 KT) 02-15-1992 12:40:14

AIRCRAFT ID NUMBER	AIRCRAFT AND ENGINE NAMES	AIRCRAFT CATEGORY
028	B727-100/JT8D-7QN	JCOM

	DISTANCE FROM RW THRESHOLD (FT)	HEIGHT (FT)	SPEED (KTAS)	THRUST (LB)	FLAPS
POINT 1	113533	6000	273	682	ZERO
POINT 2	56289	3000	167	1817	5
POINT 3	27668	1500	128	3500	D 25
POINT 4	18127	1000	125	4215	D 30
POINT 5	-954	0	123	4065	D 30
POINT 6	-1297	0	117	8400	
POINT 7	-4380	0	30	1400	

NUMBER OF ENGINES	RATED THRUST LB	AIRCRAFT WEIGHT (LB)	GLIDE SLOPE
3	14000	128250	3.00

TAKEOFF SEGMENTS DATA (HEADWIND = 8 KT) 06-19-1991 15:36:56

AIRCRAFT ID NUMBER	AIRCRAFT AND ENGINE NAMES	AIRCRAFT CATEGORY
029	B727-200/JT8D-15QN	JCOM

AIRCRAFT WEIGHT	STAGE NUMBER	NUMBER OF ENGINES
156000	1	3

SEG. NO.	TYPE	FLAP	START ALT (FT)	END ALT (FT)	CALIBRATED START SPEED (KCAS)	CALIBRATED END SPEED (KCAS)	SEG. LNGTH (FT)	THRST (LB)	R/C (FPM)	GRAD
1	TKOFF	5	0	0	16	162	5460	13462	0	0.00000
2	CLIMB	5	0	1000	162	162	6052	13572	2725	0.16523
3	ACCEL	5	1000	1136	162	170	1616	13643	1363	0.08017
4	ACCEL	2	1136	1553	170	200	5558	13525	1363	0.07149
5	ACCEL	ZERO	1553	1637	200	210	1695	12121	1000	0.04711
6	CLIMB	ZERO	1637	3000	210	210	9380	12161	3198	0.14530
7	ACCEL	ZERO	3000	3371	210	250	8606	12064	1000	0.04098
8	CLIMB	ZERO	3371	5500	250	250	16938	11925	3399	0.12570
9	CLIMB	ZERO	5500	7500	250	250	18310	11765	3048	0.10923
10	CLIMB	ZERO	7500	10000	250	250	27968	11335	2583	0.08939

SEG. NO.	TYPE	FLAP	THRUST TYPE	VALUE
1	TKOFF	5	MAX TKOFF	
2	CLIMB	5	MAX TKOFF	
3	ACCEL	5	MAX TKOFF	
4	ACCEL	2	MAX TKOFF	
5	ACCEL	ZERO	MAX CLIMB	
6	CLIMB	ZERO	MAX CLIMB	
7	ACCEL	ZERO	MAX CLIMB	
8	CLIMB	ZERO	MAX CLIMB	
9	CLIMB	ZERO	MAX CLIMB	
10	CLIMB	ZERO	MAX CLIMB	

TAKEOFF PROFILE DATA (HEADWIND = 8 KT) 06-19-1991 15:37:01

AIRCRAFT ID NUMBER	AIRCRAFT AND ENGINE NAMES	AIRCRAFT CATEGORY
029	B727-200/JT8D-15QN	JCOM

	DISTANCE FROM BRAKE RELEASE (FT)	HEIGHT (FT)	SPEED (KTAS)	THRUST (LB)
POINT 1	0	0	16	14694
POINT 2	5460	0	162	13462
POINT 3	11513	1000	164	13667
POINT 4	13129	1136	173	13619
POINT 5	18687	1553	205	13430
POINT 6	19687	1603	211	12154
POINT 7	20381	1637	215	12088
POINT 8	29761	3000	220	12209
POINT 9	38368	3371	263	11919
POINT 10	55306	5500	271	11871
POINT 11	73616	7500	280	11607
POINT 12	101584	10000	291	0

THRUST FOR LEVEL FLIGHT	GRADIENT AT TAKE-OFF POWER	TAKE-OFF THRUST	GRADIENT AT CLIMB POWER
5136	0.165232	13572	0.127656

CLIMB THRUST	GRADIENT AT FAR36 CUTBACK	THRUST FOR ENGINE OUT LEVEL FLIGHT	VZF (KCAS)
12547	0.046069	7705	210

NUMBER OF ENGINES	RATED THRUST LB	AIRCRAFT WEIGHT (LB)	STAGE NUMBER
3	15500	156000	1

TAKEOFF SEGMENTS DATA (HEADWIND = 8 KT) 06-19-1991 15:39:03

AIRCRAFT ID NUMBER	AIRCRAFT AND ENGINE NAMES	AIRCRAFT CATEGORY
029	B727-200/JT8D-15QN	JCOM

AIRCRAFT WEIGHT	STAGE NUMBER	NUMBER OF ENGINES
164000	2	3

SEG. NO.	TYPE	FLAP	START ALT (FT)	END ALT (FT)	CALIBRATED START SPEED (KCAS)	CALIBRATED END SPEED (KCAS)	SEG. LNGTH (FT)	THRST (LB)	R/C (FPM)	GRAD
1	TKOFF	5	0	0	16	166	6050	13428	0	0.00000
2	CLIMB	5	0	1000	166	166	6602	13537	2561	0.15147
3	ACCEL	5	1000	1072	166	170	917	13620	1281	0.07443
4	ACCEL	2	1072	1499	170	200	6055	13515	1281	0.06723
5	ACCEL	ZERO	1499	1592	200	210	1877	12115	1000	0.04714
6	CLIMB	ZERO	1592	3000	210	210	10414	12159	2974	0.13517
7	ACCEL	ZERO	3000	3414	210	250	9603	12065	1000	0.04097
8	CLIMB	ZERO	3414	5500	250	250	17936	11924	3147	0.11631
9	CLIMB	ZERO	5500	7500	250	250	19831	11765	2815	0.10085
10	CLIMB	ZERO	7500	10000	250	250	30482	11335	2370	0.08202

SEG. NO.	TYPE	FLAP	THRUST TYPE	VALUE
1	TKOFF	5	MAX TKOFF	
2	CLIMB	5	MAX TKOFF	
3	ACCEL	5	MAX TKOFF	
4	ACCEL	2	MAX TKOFF	
5	ACCEL	ZERO	MAX CLIMB	
6	CLIMB	ZERO	MAX CLIMB	
7	ACCEL	ZERO	MAX CLIMB	
8	CLIMB	ZERO	MAX CLIMB	
9	CLIMB	ZERO	MAX CLIMB	
10	CLIMB	ZERO	MAX CLIMB	

TAKEOFF PROFILE DATA (HEADWIND = 8 KT) 06-19-1991 15:39:06

AIRCRAFT ID NUMBER	AIRCRAFT AND ENGINE NAMES	AIRCRAFT CATEGORY
029	B727-200/JT8D-15QN	JCOM

	DISTANCE FROM BRAKE RELEASE (FT)	HEIGHT (FT)	SPEED (KTAS)	THRUST (LB)
POINT 1	0	0	16	14694
POINT 2	6050	0	166	13428
POINT 3	12652	1000	168	13632
POINT 4	13570	1072	173	13608
POINT 5	19625	1499	204	13422
POINT 6	20625	1549	210	12147
POINT 7	21502	1592	215	12083
POINT 8	31916	3000	220	12209
POINT 9	41519	3414	263	11921
POINT 10	59455	5500	271	11871
POINT 11	79287	7500	280	11607
POINT 12	109769	10000	291	0

THRUST FOR LEVEL FLIGHT	GRADIENT AT TAKE-OFF POWER	TAKE-OFF THRUST	GRADIENT AT CLIMB POWER
5400	0.151473	13537	0.116019

CLIMB THRUST	GRADIENT AT FAR36 CUTBACK	THRUST FOR ENGINE OUT LEVEL FLIGHT	VZF (KCAS)
12515	0.046069	8100	210

NUMBER OF ENGINES	RATED THRUST LB	AIRCRAFT WEIGHT (LB)	STAGE NUMBER
3	15500	164000	2

TAKEOFF SEGMENTS DATA (HEADWIND = 8 KT) 06-19-1991 15:40:26

AIRCRAFT ID NUMBER	AIRCRAFT AND ENGINE NAMES	AIRCRAFT CATEGORY
029	B727-200/JT8D-15QN	JCOM

AIRCRAFT WEIGHT	STAGE NUMBER	NUMBER OF ENGINES
175000	3	3

SEG. NO.	TYPE	FLAP	START ALT (FT)	END ALT (FT)	CALIBRATED START SPEED (KCAS)	CALIBRATED END SPEED (KCAS)	SEG. LNGTH (FT)	THRST (LB)	R/C (FPM)	GRAD
1	TKOFF	5	0	0	16	171	6913	13382	0	0.00000
2	CLIMB	5	0	1000	171	171	7421	13491	2353	0.13474
3	ACCEL	5	1000	1066	171	175	949	13575	1177	0.06628
4	ACCEL	2	1066	1504	175	205	6936	13473	1177	0.06012
5	ACCEL	ZERO	1504	1612	205	215	2219	12078	1000	0.04601
6	CLIMB	ZERO	1612	3000	215	215	11380	12122	2749	0.12201
7	ACCEL	ZERO	3000	3420	215	250	9857	12046	1000	0.04053
8	CLIMB	ZERO	3420	5500	250	250	19803	11924	2842	0.10503
9	CLIMB	ZERO	5500	7500	250	250	22074	11765	2529	0.09061
10	CLIMB	ZERO	7500	10000	250	250	34247	11335	2109	0.07300

SEG. NO.	TYPE	FLAP	THRUST TYPE	VALUE
1	TKOFF	5	MAX TKOFF	
2	CLIMB	5	MAX TKOFF	
3	ACCEL	5	MAX TKOFF	
4	ACCEL	2	MAX TKOFF	
5	ACCEL	ZERO	MAX CLIMB	
6	CLIMB	ZERO	MAX CLIMB	
7	ACCEL	ZERO	MAX CLIMB	
8	CLIMB	ZERO	MAX CLIMB	
9	CLIMB	ZERO	MAX CLIMB	
10	CLIMB	ZERO	MAX CLIMB	

TAKEOFF PROFILE DATA (HEADWIND = 8 KT) 06-19-1991 15:40:29

AIRCRAFT ID NUMBER	AIRCRAFT AND ENGINE NAMES	AIRCRAFT CATEGORY
029	B727-200/JT8D-15QN	JCOM

	DISTANCE FROM BRAKE RELEASE (FT)	HEIGHT (FT)	SPEED (KTAS)	THRUST (LB)
POINT 1	0	0	16	14694
POINT 2	6913	0	171	13382
POINT 3	14335	1000	174	13586
POINT 4	15283	1066	178	13565
POINT 5	22219	1504	210	13381
POINT 6	23219	1553	214	12109
POINT 7	24438	1612	220	12047
POINT 8	35818	3000	225	12171
POINT 9	45675	3420	263	11921
POINT 10	65477	5500	271	11871
POINT 11	87551	7500	280	11607
POINT 12	121798	10000	291	0

THRUST FOR LEVEL FLIGHT	GRADIENT AT TAKE-OFF POWER	TAKE-OFF THRUST	GRADIENT AT CLIMB POWER
5762	0.134745	13491	0.101838

CLIMB THRUST	GRADIENT AT FAR36 CUTBACK	THRUST FOR ENGINE OUT LEVEL FLIGHT	VZF (KCAS)
12474	0.046069	8643	215

NUMBER OF ENGINES	RATED THRUST LB	AIRCRAFT WEIGHT (LB)	STAGE NUMBER
3	15500	175000	3

TAKEOFF SEGMENTS DATA (HEADWIND = 8 KT) 06-19-1991 15:41:47

AIRCRAFT ID NUMBER	AIRCRAFT AND ENGINE NAMES	AIRCRAFT CATEGORY
029	B727-200/JT8D-15QN	JCOM

AIRCRAFT WEIGHT	STAGE NUMBER	NUMBER OF ENGINES
189000	4	3

SEG. NO.	TYPE	FLAP	START ALT (FT)	END ALT (FT)	CALIBRATED START SPEED (KCAS)	CALIBRATED END SPEED (KCAS)	SEG. LNGTH (FT)	THRST (LB)	R/C (FPM)	GRAD
1	TKOFF	5	0	0	16	178	8098	13325	0	0.00000
2	CLIMB	5	0	1000	178	178	8589	13434	2113	0.11643
3	ACCEL	5	1000	1038	178	180	628	13523	1057	0.05756
4	ACCEL	2	1038	1489	180	210	8152	13427	1057	0.05260
5	ACCEL	ZERO	1489	1618	210	220	2732	12039	1000	0.04494
6	CLIMB	ZERO	1618	3000	220	220	12829	12084	2484	0.10774
7	ACCEL	ZERO	3000	3438	220	250	10380	12027	1000	0.04009
8	CLIMB	ZERO	3438	5500	250	250	22275	11924	2505	0.09258
9	CLIMB	ZERO	5500	7500	250	250	25213	11765	2214	0.07932
10	CLIMB	ZERO	7500	10000	250	250	39644	11335	1822	0.06306

SEG. NO.	TYPE	FLAP	THRUST TYPE	VALUE
1	TKOFF	5	MAX TKOFF	
2	CLIMB	5	MAX TKOFF	
3	ACCEL	5	MAX TKOFF	
4	ACCEL	2	MAX TKOFF	
5	ACCEL	ZERO	MAX CLIMB	
6	CLIMB	ZERO	MAX CLIMB	
7	ACCEL	ZERO	MAX CLIMB	
8	CLIMB	ZERO	MAX CLIMB	
9	CLIMB	ZERO	MAX CLIMB	
10	CLIMB	ZERO	MAX CLIMB	

TAKEOFF PROFILE DATA (HEADWIND = 8 KT) 06-19-1991 15:41:50

AIRCRAFT ID NUMBER	AIRCRAFT AND ENGINE NAMES	AIRCRAFT CATEGORY
029	B727-200/JT8D-15QN	JCOM

	DISTANCE FROM BRAKE RELEASE (FT)	HEIGHT (FT)	SPEED (KTAS)	THRUST (LB)
POINT 1	0	0	16	14694
POINT 2	8098	0	178	13325
POINT 3	16687	1000	181	13529
POINT 4	17314	1038	183	13518
POINT 5	25466	1489	215	13336
POINT 6	26466	1536	219	12069
POINT 7	28198	1618	225	12009
POINT 8	41027	3000	230	12133
POINT 9	51407	3438	263	11921
POINT 10	73682	5500	271	11871
POINT 11	98895	7500	280	11607
POINT 12	138539	10000	291	0

THRUST FOR LEVEL FLIGHT	GRADIENT AT TAKE-OFF POWER	TAKE-OFF THRUST	GRADIENT AT CLIMB POWER
6223	0.116431	13434	0.086274

CLIMB THRUST	GRADIENT AT FAR36 CUTBACK	THRUST FOR ENGINE OUT LEVEL FLIGHT	VZF (KCAS)
12422	0.046069	9335	220

NUMBER OF ENGINES	RATED THRUST LB	AIRCRAFT WEIGHT (LB)	STAGE NUMBER
3	15500	189000	4

TAKEOFF SEGMENTS DATA (HEADWIND = 8 KT) 06-19-1991 15:43:05

AIRCRAFT ID NUMBER	AIRCRAFT AND ENGINE NAMES	AIRCRAFT CATEGORY
029	B727-200/JT8D-15QN	JCOM

AIRCRAFT WEIGHT	STAGE NUMBER	NUMBER OF ENGINES
204000	5	3

SEG. NO.	TYPE	FLAP	START ALT (FT)	END ALT (FT)	CALIBRATED START SPEED (KCAS)	CALIBRATED END SPEED (KCAS)	SEG. LNGTH (FT)	THRST (LB)	R/C (FPM)	GRAD
1	TKOFF	5	0	0	16	185	9476	13266	0	0.00000
2	CLIMB	5	0	1000	185	185	10027	13376	1881	0.09973
3	ACCEL	2	1000	1388	185	210	7980	13396	941	0.04629
4	ACCEL	ZERO	1388	1547	210	220	3353	12028	1000	0.04499
5	CLIMB	ZERO	1547	3000	220	220	15231	12080	2198	0.09539
6	ACCEL	ZERO	3000	3550	220	250	13045	12029	1000	0.04005
7	CLIMB	ZERO	3550	5500	250	250	24103	11923	2191	0.08092
8	CLIMB	ZERO	5500	7500	250	250	28993	11765	1925	0.06898
9	CLIMB	ZERO	7500	10000	250	250	46344	11335	1559	0.05394

SEG. NO.	TYPE	FLAP	THRUST TYPE	VALUE
1	TKOFF	5	MAX TKOFF	
2	CLIMB	5	MAX TKOFF	
3	ACCEL	2	MAX TKOFF	
4	ACCEL	ZERO	MAX CLIMB	
5	CLIMB	ZERO	MAX CLIMB	
6	ACCEL	ZERO	MAX CLIMB	
7	CLIMB	ZERO	MAX CLIMB	
8	CLIMB	ZERO	MAX CLIMB	
9	CLIMB	ZERO	MAX CLIMB	

TAKEOFF PROFILE DATA (HEADWIND = 8 KT) 06-19-1991 15:43:08

AIRCRAFT ID NUMBER	AIRCRAFT AND ENGINE NAMES	AIRCRAFT CATEGORY
029	B727-200/JT8D-15QN	JCOM

	DISTANCE FROM BRAKE RELEASE (FT)	HEIGHT (FT)	SPEED (KTAS)	THRUST (LB)
POINT 1	0	0	16	14694
POINT 2	9476	0	185	13266
POINT 3	19502	1000	188	13470
POINT 4	27482	1388	214	13321
POINT 5	28482	1436	218	12056
POINT 6	30835	1547	225	12000
POINT 7	46066	3000	230	12133
POINT 8	59112	3550	263	11924
POINT 9	83215	5500	271	11871
POINT 10	112208	7500	280	11607
POINT 11	158552	10000	291	0

THRUST FOR LEVEL FLIGHT	GRADIENT AT TAKE-OFF POWER	TAKE-OFF THRUST	GRADIENT AT CLIMB POWER
6717	0.099734	13376	0.072052

CLIMB THRUST	GRADIENT AT FAR36 CUTBACK	THRUST FOR ENGINE OUT LEVEL FLIGHT	VZF (KCAS)
12369	0.046069	10075	220

NUMBER OF ENGINES	RATED THRUST LB	AIRCRAFT WEIGHT (LB)	STAGE NUMBER
3	15500	204000	5

APPROACH PROFILE DATA (HEADWIND = 8 KT) 02-15-1992 12:44:11

AIRCRAFT ID NUMBER	AIRCRAFT AND ENGINE NAMES	AIRCRAFT CATEGORY
029	B727-200/JT8D-15QN	JCOM

	DISTANCE FROM RW THRESHOLD (FT)	HEIGHT (FT)	SPEED (KTAS)	THRUST (LB)	FLAPS
POINT 1	113533	6000	273	809	ZERO
POINT 2	56289	3000	167	2495	5
POINT 3	27668	1500	153	3144	D 25
POINT 4	18127	1000	150	4855	D 30
POINT 5	-954	0	148	4682	D 30
POINT 6	-1302	0	140	9300	
POINT 7	-4430	0	30	1550	

NUMBER OF ENGINES	RATED THRUST LB	AIRCRAFT WEIGHT (LB)	GLIDE SLOPE
3	15500	152100	3.00

TAKEOFF SEGMENTS DATA (HEADWIND = 8 KT) 06-19-1991 16:22:37

AIRCRAFT ID NUMBER	AIRCRAFT AND ENGINE NAMES	AIRCRAFT CATEGORY
030	B727-200/JT8D-17	JCOM

AIRCRAFT WEIGHT	STAGE NUMBER	NUMBER OF ENGINES
157000	1	3

SEG. NO.	TYPE	FLAP	START ALT (FT)	END ALT (FT)	CALIBRATED START SPEED (KCAS)	CALIBRATED END SPEED (KCAS)	SEG. LNGTH (FT)	THRST (LB)	R/C (FPM)	GRAD
1	TKOFF	5	0	0	16	162	5263	14148	0	0.00000
2	CLIMB	5	0	1000	162	162	5647	14257	2929	0.17708
3	ACCEL	5	1000	1129	162	170	1423	14330	1465	0.08608
4	ACCEL	2	1129	1551	170	200	5233	14214	1465	0.07688
5	ACCEL	ZERO	1551	1630	200	210	1603	12534	1000	0.04711
6	CLIMB	ZERO	1630	3000	210	210	9066	12573	3325	0.15109
7	ACCEL	ZERO	3000	3350	210	250	8127	12478	1000	0.04099
8	CLIMB	ZERO	3350	5500	250	250	16391	12342	3546	0.13115
9	CLIMB	ZERO	5500	7500	250	250	17509	12184	3188	0.11423
10	CLIMB	ZERO	7500	10000	250	250	26574	11762	2718	0.09408

SEG. NO.	TYPE	FLAP	THRUST TYPE	VALUE
1	TKOFF	5	MAX TKOFF	
2	CLIMB	5	MAX TKOFF	
3	ACCEL	5	MAX TKOFF	
4	ACCEL	2	MAX TKOFF	
5	ACCEL	ZERO	MAX CLIMB	
6	CLIMB	ZERO	MAX CLIMB	
7	ACCEL	ZERO	MAX CLIMB	
8	CLIMB	ZERO	MAX CLIMB	
9	CLIMB	ZERO	MAX CLIMB	
10	CLIMB	ZERO	MAX CLIMB	

TAKEOFF PROFILE DATA (HEADWIND = 8 KT) 06-19-1991 16:22:42

AIRCRAFT ID NUMBER	AIRCRAFT AND ENGINE NAMES	AIRCRAFT CATEGORY
030	B727-200/JT8D-17	JCOM

	DISTANCE FROM BRAKE RELEASE (FT)	HEIGHT (FT)	SPEED (KTAS)	THRUST (LB)
POINT 1	0	0	16	15384
POINT 2	5263	0	162	14148
POINT 3	10910	1000	165	14352
POINT 4	12333	1129	173	14308
POINT 5	17566	1551	205	14120
POINT 6	18566	1600	211	12567
POINT 7	19170	1630	215	12501
POINT 8	28236	3000	220	12621
POINT 9	36363	3350	263	12335
POINT 10	52753	5500	271	12288
POINT 11	70262	7500	280	12029
POINT 12	96836	10000	291	0

THRUST FOR LEVEL FLIGHT	GRADIENT AT TAKE-OFF POWER	TAKE-OFF THRUST	GRADIENT AT CLIMB POWER
5169	0.177081	14257	0.133473

CLIMB THRUST	GRADIENT AT FAR36 CUTBACK	THRUST FOR ENGINE OUT LEVEL FLIGHT	VZF (KCAS)
12949	0.046069	7754	210

NUMBER OF ENGINES	RATED THRUST LB	AIRCRAFT WEIGHT (LB)	STAGE NUMBER
3	16000	157000	1

TAKEOFF SEGMENTS DATA (HEADWIND = 8 KT) 06-19-1991 16:26:18

AIRCRAFT ID NUMBER	AIRCRAFT AND ENGINE NAMES	AIRCRAFT CATEGORY
030	B727-200/JT8D-17	JCOM

AIRCRAFT WEIGHT	STAGE NUMBER	NUMBER OF ENGINES
169000	2	3

SEG. NO.	TYPE	FLAP	START ALT (FT)	END ALT (FT)	CALIBRATED START SPEED (KCAS)	CALIBRATED END SPEED (KCAS)	SEG. LNGTH (FT)	THRST (LB)	R/C (FPM)	GRAD
1	TKOFF	5	0	0	16	168	6120	14097	0	0.00000
2	CLIMB	5	0	1000	168	168	6404	14206	2680	0.15614
3	ACCEL	5	1000	1115	168	175	1439	14282	1340	0.07614
4	ACCEL	2	1115	1550	175	205	6055	14170	1340	0.06844
5	ACCEL	ZERO	1550	1642	205	215	1908	12497	1000	0.04598
6	CLIMB	ZERO	1642	3000	215	215	10049	12536	3044	0.13509
7	ACCEL	ZERO	3000	3358	215	250	8391	12459	1000	0.04055
8	CLIMB	ZERO	3358	5500	250	250	18264	12341	3172	0.11729
9	CLIMB	ZERO	5500	7500	250	250	19673	12184	2837	0.10166
10	CLIMB	ZERO	7500	10000	250	250	30118	11762	2398	0.08301

SEG. NO.	TYPE	FLAP	THRUST TYPE	VALUE
1	TKOFF	5	MAX TKOFF	
2	CLIMB	5	MAX TKOFF	
3	ACCEL	5	MAX TKOFF	
4	ACCEL	2	MAX TKOFF	
5	ACCEL	ZERO	MAX CLIMB	
6	CLIMB	ZERO	MAX CLIMB	
7	ACCEL	ZERO	MAX CLIMB	
8	CLIMB	ZERO	MAX CLIMB	
9	CLIMB	ZERO	MAX CLIMB	
10	CLIMB	ZERO	MAX CLIMB	

TAKEOFF PROFILE DATA (HEADWIND = 8 KT) 06-19-1991 16:26:22

AIRCRAFT ID NUMBER	AIRCRAFT AND ENGINE NAMES	AIRCRAFT CATEGORY
030	B727-200/JT8D-17	JCOM

	DISTANCE FROM BRAKE RELEASE (FT)	HEIGHT (FT)	SPEED (KTAS)	THRUST (LB)
POINT 1	0	0	16	15384
POINT 2	6120	0	168	14097
POINT 3	12525	1000	171	14301
POINT 4	13964	1115	178	14263
POINT 5	20019	1550	210	14077
POINT 6	21019	1599	215	12529
POINT 7	21927	1642	220	12465
POINT 8	31976	3000	225	12584
POINT 9	40367	3358	263	12335
POINT 10	58631	5500	271	12288
POINT 11	78304	7500	280	12029
POINT 12	108422	10000	291	0

THRUST FOR LEVEL FLIGHT	GRADIENT AT TAKE-OFF POWER	TAKE-OFF THRUST	GRADIENT AT CLIMB POWER
5564	0.156143	14206	0.116123

CLIMB THRUST	GRADIENT AT FAR36 CUTBACK	THRUST FOR ENGINE OUT LEVEL FLIGHT	VZF (KCAS)
12903	0.046069	8347	215

NUMBER OF ENGINES	RATED THRUST LB	AIRCRAFT WEIGHT (LB)	STAGE NUMBER
3	16000	169000	2

TAKEOFF SEGMENTS DATA (HEADWIND = 8 KT) 06-19-1991 16:27:42

AIRCRAFT ID NUMBER	AIRCRAFT AND ENGINE NAMES	AIRCRAFT CATEGORY
030	B727-200/JT8D-17	JCOM

AIRCRAFT WEIGHT	STAGE NUMBER	NUMBER OF ENGINES
180000	3	3

SEG. NO.	TYPE	FLAP	START ALT (FT)	END ALT (FT)	CALIBRATED START SPEED (KCAS)	CALIBRATED END SPEED (KCAS)	SEG. LNGTH (FT)	THRST (LB)	R/C (FPM)	GRAD
1	TKOFF	5	0	0	16	174	6965	14051	0	0.00000
2	CLIMB	5	0	1000	174	174	7165	14160	2472	0.13957
3	ACCEL	5	1000	1112	174	180	1565	14238	1236	0.06813
4	ACCEL	2	1112	1558	180	210	6906	14128	1236	0.06148
5	ACCEL	ZERO	1558	1664	210	220	2242	12461	1000	0.04490
6	CLIMB	ZERO	1664	3000	220	220	10925	12500	2820	0.12230
7	ACCEL	ZERO	3000	3354	220	250	8383	12441	1000	0.04012
8	CLIMB	ZERO	3354	5500	250	250	20194	12341	2874	0.10629
9	CLIMB	ZERO	5500	7500	250	250	21822	12184	2558	0.09165
10	CLIMB	ZERO	7500	10000	250	250	33702	11762	2143	0.07418

SEG. NO.	TYPE	FLAP	THRUST TYPE	VALUE
1	TKOFF	5	MAX TKOFF	
2	CLIMB	5	MAX TKOFF	
3	ACCEL	5	MAX TKOFF	
4	ACCEL	2	MAX TKOFF	
5	ACCEL	ZERO	MAX CLIMB	
6	CLIMB	ZERO	MAX CLIMB	
7	ACCEL	ZERO	MAX CLIMB	
8	CLIMB	ZERO	MAX CLIMB	
9	CLIMB	ZERO	MAX CLIMB	
10	CLIMB	ZERO	MAX CLIMB	

TAKEOFF PROFILE DATA (HEADWIND = 8 KT) 06-19-1991 16:27:45

AIRCRAFT ID NUMBER	AIRCRAFT AND ENGINE NAMES	AIRCRAFT CATEGORY
030	B727-200/JT8D-17	JCOM

	DISTANCE FROM BRAKE RELEASE (FT)	HEIGHT (FT)	SPEED (KTAS)	THRUST (LB)
POINT 1	0	0	16	15384
POINT 2	6965	0	174	14051
POINT 3	14130	1000	176	14255
POINT 4	15695	1112	183	14220
POINT 5	22601	1558	215	14036
POINT 6	23601	1605	220	12492
POINT 7	24843	1664	225	12430
POINT 8	35768	3000	230	12546
POINT 9	44150	3354	263	12335
POINT 10	64344	5500	271	12288
POINT 11	86166	7500	280	12029
POINT 12	119868	10000	291	0

THRUST FOR LEVEL FLIGHT	GRADIENT AT TAKE-OFF POWER	TAKE-OFF THRUST	GRADIENT AT CLIMB POWER
5927	0.139573	14160	0.102349

CLIMB THRUST	GRADIENT AT FAR36 CUTBACK	THRUST FOR ENGINE OUT LEVEL FLIGHT	VZF (KCAS)
12863	0.046069	8890	220

NUMBER OF ENGINES	RATED THRUST LB	AIRCRAFT WEIGHT (LB)	STAGE NUMBER
3	16000	180000	3

TAKEOFF SEGMENTS DATA (HEADWIND = 8 KT) 06-19-1991 16:29:26

AIRCRAFT ID NUMBER	AIRCRAFT AND ENGINE NAMES	AIRCRAFT CATEGORY
030	B727-200/JT8D-17	JCOM

AIRCRAFT WEIGHT	STAGE NUMBER	NUMBER OF ENGINES
189000	4	3

SEG. NO.	TYPE	FLAP	START ALT (FT)	END ALT (FT)	CALIBRATED START SPEED (KCAS)	CALIBRATED END SPEED (KCAS)	SEG. LNGTH (FT)	THRST (LB)	R/C (FPM)	GRAD
1	TKOFF	5	0	0	16	178	7699	14015	0	0.00000
2	CLIMB	5	0	1000	178	178	7841	14124	2315	0.12754
3	ACCEL	5	1000	1038	178	180	574	14213	1158	0.06308
4	ACCEL	2	1038	1494	180	210	7531	14117	1158	0.05764
5	ACCEL	ZERO	1494	1613	210	220	2507	12454	1000	0.04494
6	CLIMB	ZERO	1613	3000	220	220	12212	12497	2619	0.11360
7	ACCEL	ZERO	3000	3400	220	250	9476	12441	1000	0.04010
8	CLIMB	ZERO	3400	5500	250	250	21409	12341	2654	0.09811
9	CLIMB	ZERO	5500	7500	250	250	23712	12184	2354	0.08434
10	CLIMB	ZERO	7500	10000	250	250	36911	11762	1957	0.06773

SEG. NO.	TYPE	FLAP	THRUST TYPE	VALUE
1	TKOFF	5	MAX TKOFF	
2	CLIMB	5	MAX TKOFF	
3	ACCEL	5	MAX TKOFF	
4	ACCEL	2	MAX TKOFF	
5	ACCEL	ZERO	MAX CLIMB	
6	CLIMB	ZERO	MAX CLIMB	
7	ACCEL	ZERO	MAX CLIMB	
8	CLIMB	ZERO	MAX CLIMB	
9	CLIMB	ZERO	MAX CLIMB	
10	CLIMB	ZERO	MAX CLIMB	

TAKEOFF PROFILE DATA (HEADWIND = 8 KT) 06-19-1991 16:29:31

AIRCRAFT ID NUMBER	AIRCRAFT AND ENGINE NAMES	AIRCRAFT CATEGORY
030	B727-200/JT8D-17	JCOM

	DISTANCE FROM BRAKE RELEASE (FT)	HEIGHT (FT)	SPEED (KTAS)	THRUST (LB)
POINT 1	0	0	16	15384
POINT 2	7699	0	178	14015
POINT 3	15540	1000	181	14219
POINT 4	16114	1038	183	14208
POINT 5	23645	1494	215	14027
POINT 6	24645	1542	219	12484
POINT 7	26153	1613	225	12424
POINT 8	38365	3000	230	12546
POINT 9	47841	3400	263	12337
POINT 10	69249	5500	271	12288
POINT 11	92961	7500	280	12029
POINT 12	129873	10000	291	0

THRUST FOR LEVEL FLIGHT	GRADIENT AT TAKE-OFF POWER	TAKE-OFF THRUST	GRADIENT AT CLIMB POWER
6223	0.127539	14124	0.092321

CLIMB THRUST	GRADIENT AT FAR36 CUTBACK	THRUST FOR ENGINE OUT LEVEL FLIGHT	VZF (KCAS)
12830	0.046069	9335	220

NUMBER OF ENGINES	RATED THRUST LB	AIRCRAFT WEIGHT (LB)	STAGE NUMBER
3	16000	189000	4

APPROACH PROFILE DATA (HEADWIND = 8 KT) 02-15-1992 12:46:08

AIRCRAFT ID NUMBER	AIRCRAFT AND ENGINE NAMES	AIRCRAFT CATEGORY
030	B727-200/JT8D-17	JCOM

	DISTANCE FROM RW THRESHOLD (FT)	HEIGHT (FT)	SPEED (KTAS)	THRUST (LB)	FLAPS
POINT 1	113533	6000	273	809	ZERO
POINT 2	56289	3000	167	2495	5
POINT 3	27668	1500	153	3962	D 25
POINT 4	18127	1000	150	4855	D 30
POINT 5	-954	0	148	4682	D 30
POINT 6	-1349	0	140	9600	
POINT 7	-4900	0	30	1600	

NUMBER OF ENGINES	RATED THRUST LB	AIRCRAFT WEIGHT (LB)	GLIDE SLOPE
3	16000	152100	3.00

TAKEOFF SEGMENTS DATA (HEADWIND = 8 KT) 06-03-1991 16:34:05

AIRCRAFT ID NUMBER	AIRCRAFT AND ENGINE NAMES	AIRCRAFT CATEGORY
031	A300B4-200/CF6-50C2	JCOM

AIRCRAFT WEIGHT	STAGE NUMBER	NUMBER OF ENGINES
262000	1	2

SEG. NO.	TYPE	FLAP	START ALT (FT)	END ALT (FT)	CALIBRATED START SPEED (KCAS)	CALIBRATED END SPEED (KCAS)	SEG. LNGTH (FT)	THRST (LB)	R/C (FPM)	GRAD
1	TKOFF	8	0	0	16	149	3352	43404	0	0.00000
2	CLIMB	8	0	1000	149	149	4153	43333	3660	0.24082
3	ACCEL	8	1000	1673	149	169	4306	42816	2440	0.15022
4	ACCEL	1	1673	1981	169	189	2975	41951	1830	0.09874
5	ACCEL	ZERO	1981	2108	189	209	2500	36198	1000	0.04820
6	CLIMB	ZERO	2108	3000	209	209	4985	35786	3934	0.17896
7	ACCEL	ZERO	3000	3288	209	250	6659	34996	1000	0.04110
8	CLIMB	ZERO	3288	5500	250	250	14548	34128	4110	0.15206
9	CLIMB	ZERO	5500	7500	250	250	14920	33879	3741	0.13405
10	CLIMB	ZERO	7500	10000	250	250	21476	33619	3364	0.11641

SEG. NO.	TYPE	FLAP	THRUST TYPE	VALUE
1	TKOFF	8	MAX TKOFF	
2	CLIMB	8	MAX TKOFF	
3	ACCEL	8	MAX TKOFF	
4	ACCEL	1	MAX TKOFF	
5	ACCEL	ZERO	MAX CLIMB	
6	CLIMB	ZERO	MAX CLIMB	
7	ACCEL	ZERO	MAX CLIMB	
8	CLIMB	ZERO	MAX CLIMB	
9	CLIMB	ZERO	MAX CLIMB	
10	CLIMB	ZERO	MAX CLIMB	

TAKEOFF PROFILE DATA (HEADWIND = 8 KT) 06-03-1991 16:34:15

AIRCRAFT ID NUMBER	AIRCRAFT AND ENGINE NAMES	AIRCRAFT CATEGORY
031	A300B4-200/CF6-50C2	JCOM

	DISTANCE FROM BRAKE RELEASE (FT)	HEIGHT (FT)	SPEED (KTAS)	THRUST (LB)
POINT 1	0	0	16	48700
POINT 2	3352	0	149	43404
POINT 3	7505	1000	151	43262
POINT 4	11811	1673	173	42370
POINT 5	14786	1981	195	41531
POINT 6	15786	2032	203	36556
POINT 7	17286	2108	216	35840
POINT 8	22271	3000	218	35731
POINT 9	28930	3288	262	34262
POINT 10	43478	5500	271	33997
POINT 11	58398	7500	280	33763
POINT 12	79874	10000	291	0

THRUST FOR LEVEL FLIGHT	GRADIENT AT TAKE-OFF POWER	TAKE-OFF THRUST	GRADIENT AT CLIMB POWER
12687	0.240819	43333	0.175385

CLIMB THRUST	GRADIENT AT FAR36 CUTBACK	THRUST FOR ENGINE OUT LEVEL FLIGHT	VZF (KCAS)
37893	0.090607	25373	209

NUMBER OF ENGINES	RATED THRUST LB	AIRCRAFT WEIGHT (LB)	STAGE NUMBER
2	52500	262000	1

TAKEOFF SEGMENTS DATA (HEADWIND = 8 KT) 06-03-1991 16:36:30

AIRCRAFT ID NUMBER	AIRCRAFT AND ENGINE NAMES	AIRCRAFT CATEGORY
031	A300B4-200/CF6-50C2	JCOM

AIRCRAFT WEIGHT	STAGE NUMBER	NUMBER OF ENGINES
280000	2	2

SEG. NO.	TYPE	FLAP	START ALT (FT)	END ALT (FT)	CALIBRATED START SPEED (KCAS)	CALIBRATED END SPEED (KCAS)	SEG. LNGTH (FT)	THRST (LB)	R/C (FPM)	GRAD
1	TKOFF	8	0	0	16	154	3846	43203	0	0.00000
2	CLIMB	8	0	1000	154	154	4619	43132	3402	0.21651
3	ACCEL	8	1000	1696	154	174	4939	42615	2268	0.13505
4	ACCEL	1	1696	2016	174	194	3422	41748	1701	0.08917
5	ACCEL	ZERO	2016	2160	194	214	2913	36018	1000	0.04699
6	CLIMB	ZERO	2160	3000	214	214	5197	35608	3641	0.16172
7	ACCEL	ZERO	3000	3287	214	250	6704	34909	1000	0.04066
8	CLIMB	ZERO	3287	5500	250	250	16028	34128	3732	0.13809
9	CLIMB	ZERO	5500	7500	250	250	16484	33879	3386	0.12133
10	CLIMB	ZERO	7500	10000	250	250	23835	33619	3031	0.10489

SEG. NO.	TYPE	FLAP	THRUST TYPE	VALUE
1	TKOFF	8	MAX TKOFF	
2	CLIMB	8	MAX TKOFF	
3	ACCEL	8	MAX TKOFF	
4	ACCEL	1	MAX TKOFF	
5	ACCEL	ZERO	MAX CLIMB	
6	CLIMB	ZERO	MAX CLIMB	
7	ACCEL	ZERO	MAX CLIMB	
8	CLIMB	ZERO	MAX CLIMB	
9	CLIMB	ZERO	MAX CLIMB	
10	CLIMB	ZERO	MAX CLIMB	

TAKEOFF PROFILE DATA (HEADWIND = 8 KT) 06-03-1991 16:36:37

AIRCRAFT ID NUMBER	AIRCRAFT AND ENGINE NAMES	AIRCRAFT CATEGORY
031	A300B4-200/CF6-50C2	JCOM

	DISTANCE FROM BRAKE RELEASE (FT)	HEIGHT (FT)	SPEED (KTAS)	THRUST (LB)
POINT 1	0	0	16	48700
POINT 2	3846	0	154	43203
POINT 3	8465	1000	156	43062
POINT 4	13404	1696	178	42168
POINT 5	16825	2016	200	41327
POINT 6	17825	2065	207	36377
POINT 7	19738	2160	221	35659
POINT 8	24935	3000	224	35556
POINT 9	31639	3287	262	34262
POINT 10	47667	5500	271	33997
POINT 11	64151	7500	280	33763
POINT 12	87986	10000	291	0

THRUST FOR LEVEL FLIGHT	GRADIENT AT TAKE-OFF POWER	TAKE-OFF THRUST	GRADIENT AT CLIMB POWER
13558	0.216515	43132	0.156315

CLIMB THRUST	GRADIENT AT FAR36 CUTBACK	THRUST FOR ENGINE OUT LEVEL FLIGHT	VZF (KCAS)
37717	0.090607	27116	214

NUMBER OF ENGINES	RATED THRUST LB	AIRCRAFT WEIGHT (LB)	STAGE NUMBER
2	52500	280000	2

TAKEOFF SEGMENTS DATA (HEADWIND = 8 KT) 06-03-1991 16:38:49

AIRCRAFT ID NUMBER	AIRCRAFT AND ENGINE NAMES	AIRCRAFT CATEGORY
031	A300B4-200/CF6-50C2	JCOM

AIRCRAFT WEIGHT	STAGE NUMBER	NUMBER OF ENGINES
295000	3	2

SEG. NO.	TYPE	FLAP	START ALT (FT)	END ALT (FT)	CALIBRATED START SPEED (KCAS)	CALIBRATED END SPEED (KCAS)	SEG. LNGTH (FT)	THRST (LB)	R/C (FPM)	GRAD
1	TKOFF	8	0	0	16	158	4285	43041	0	0.00000
2	CLIMB	8	0	1000	158	158	5030	42970	3206	0.19880
3	ACCEL	8	1000	1714	158	178	5511	42453	2137	0.12400
4	ACCEL	1	1714	2044	178	198	3834	41585	1603	0.08217
5	ACCEL	ZERO	2044	2204	198	218	3301	35873	1000	0.04606
6	CLIMB	ZERO	2204	3000	218	218	5337	35465	3420	0.14908
7	ACCEL	ZERO	3000	3283	218	250	6671	34839	1000	0.04031
8	CLIMB	ZERO	3283	5500	250	250	17346	34129	3455	0.12782
9	CLIMB	ZERO	5500	7500	250	250	17866	33879	3124	0.11195
10	CLIMB	ZERO	7500	10000	250	250	25936	33619	2785	0.09639

SEG. NO.	TYPE	FLAP	THRUST TYPE	VALUE
1	TKOFF	8	MAX TKOFF	
2	CLIMB	8	MAX TKOFF	
3	ACCEL	8	MAX TKOFF	
4	ACCEL	1	MAX TKOFF	
5	ACCEL	ZERO	MAX CLIMB	
6	CLIMB	ZERO	MAX CLIMB	
7	ACCEL	ZERO	MAX CLIMB	
8	CLIMB	ZERO	MAX CLIMB	
9	CLIMB	ZERO	MAX CLIMB	
10	CLIMB	ZERO	MAX CLIMB	

TAKEOFF PROFILE DATA (HEADWIND = 8 KT) 06-03-1991 16:38:55

AIRCRAFT ID NUMBER	AIRCRAFT AND ENGINE NAMES	AIRCRAFT CATEGORY
031	A300B4-200/CF6-50C2	JCOM

	DISTANCE FROM BRAKE RELEASE (FT)	HEIGHT (FT)	SPEED (KTAS)	THRUST (LB)
POINT 1	0	0	16	48700
POINT 2	4285	0	158	43041
POINT 3	9316	1000	160	42900
POINT 4	14827	1714	183	42006
POINT 5	18661	2044	204	41164
POINT 6	19661	2093	210	36233
POINT 7	21962	2204	225	35513
POINT 8	27299	3000	228	35416
POINT 9	33970	3283	262	34262
POINT 10	51317	5500	271	33997
POINT 11	69182	7500	280	33763
POINT 12	95119	10000	291	0

THRUST FOR LEVEL FLIGHT	GRADIENT AT TAKE-OFF POWER	TAKE-OFF THRUST	GRADIENT AT CLIMB POWER
14284	0.198797	42970	0.142337

CLIMB THRUST	GRADIENT AT FAR36 CUTBACK	THRUST FOR ENGINE OUT LEVEL FLIGHT	VZF (KCAS)
37574	0.090607	28569	218

NUMBER OF ENGINES	RATED THRUST LB	AIRCRAFT WEIGHT (LB)	STAGE NUMBER
2	52500	295000	3

TAKEOFF SEGMENTS DATA (HEADWIND = 8 KT) 06-03-1991 16:44:49

AIRCRAFT ID NUMBER	AIRCRAFT AND ENGINE NAMES	AIRCRAFT CATEGORY
031	A300B4-200/CF6-50C2	JCOM

AIRCRAFT WEIGHT	STAGE NUMBER	NUMBER OF ENGINES
324000	4	2

SEG. NO.	TYPE	FLAP	START ALT (FT)	END ALT (FT)	CALIBRATED START SPEED (KCAS)	CALIBRATED END SPEED (KCAS)	SEG. LNGTH (FT)	THRST (LB)	R/C (FPM)	GRAD
1	TKOFF	8	0	0	16	166	5206	42739	0	0.00000
2	CLIMB	8	0	1000	166	166	5894	42668	2868	0.16966
3	ACCEL	8	1000	1776	166	186	7009	42138	1912	0.10576
4	ACCEL	1	1776	2129	186	206	4780	41256	1434	0.07036
5	ACCEL	ZERO	2129	2326	206	226	4222	35581	1000	0.04428
6	CLIMB	ZERO	2326	3000	226	226	5270	35177	3046	0.12794
7	ACCEL	ZERO	3000	3259	226	250	6223	34701	1000	0.03964
8	CLIMB	ZERO	3259	5500	250	250	20222	34130	2994	0.11080
9	CLIMB	ZERO	5500	7500	250	250	20760	33879	2689	0.09634
10	CLIMB	ZERO	7500	10000	250	250	30401	33619	2376	0.08224

SEG. NO.	TYPE	FLAP	THRUST TYPE	VALUE
1	TKOFF	8	MAX TKOFF	
2	CLIMB	8	MAX TKOFF	
3	ACCEL	8	MAX TKOFF	
4	ACCEL	1	MAX TKOFF	
5	ACCEL	ZERO	MAX CLIMB	
6	CLIMB	ZERO	MAX CLIMB	
7	ACCEL	ZERO	MAX CLIMB	
8	CLIMB	ZERO	MAX CLIMB	
9	CLIMB	ZERO	MAX CLIMB	
10	CLIMB	ZERO	MAX CLIMB	

TAKEOFF PROFILE DATA (HEADWIND = 8 KT) 06-03-1991 16:44:58

AIRCRAFT ID NUMBER	AIRCRAFT AND ENGINE NAMES	AIRCRAFT CATEGORY
031	A300B4-200/CF6-50C2	JCOM

	DISTANCE FROM BRAKE RELEASE (FT)	HEIGHT (FT)	SPEED (KTAS)	THRUST (LB)
POINT 1	0	0	16	48700
POINT 2	5206	0	166	42739
POINT 3	11100	1000	168	42597
POINT 4	18109	1776	191	41679
POINT 5	22890	2129	213	40833
POINT 6	23890	2176	218	35943
POINT 7	27112	2326	234	35219
POINT 8	32382	3000	236	35136
POINT 9	38605	3259	262	34265
POINT 10	58827	5500	271	33997
POINT 11	79587	7500	280	33763
POINT 12	109987	10000	291	0

THRUST FOR LEVEL FLIGHT	GRADIENT AT TAKE-OFF POWER	TAKE-OFF THRUST	GRADIENT AT CLIMB POWER
15689	0.169656	42668	0.119217

CLIMB THRUST	GRADIENT AT FAR36 CUTBACK	THRUST FOR ENGINE OUT LEVEL FLIGHT	VZF (KCAS)
37309	0.090607	31377	226

NUMBER OF ENGINES	RATED THRUST LB	AIRCRAFT WEIGHT (LB)	STAGE NUMBER
2	52500	324000	4

TAKEOFF SEGMENTS DATA (HEADWIND = 8 KT) 06-03-1991 16:46:52

AIRCRAFT ID NUMBER	AIRCRAFT AND ENGINE NAMES	AIRCRAFT CATEGORY
031	A300B4-200/CF6-50C2	JCOM

AIRCRAFT WEIGHT	STAGE NUMBER	NUMBER OF ENGINES
357000	5	2

SEG. NO.	TYPE	FLAP	START ALT (FT)	END ALT (FT)	CALIBRATED START SPEED (KCAS)	CALIBRATED END SPEED (KCAS)	SEG. LNGTH (FT)	THRST (LB)	R/C (FPM)	GRAD
1	TKOFF	8	0	0	16	174	6369	42411	0	0.00000
2	CLIMB	8	0	1000	174	174	7006	42340	2532	0.14273
3	ACCEL	8	1000	1826	174	194	8840	41812	1688	0.08907
4	ACCEL	1	1826	2206	194	214	6076	40929	1266	0.05959
5	ACCEL	ZERO	2206	2456	214	234	5567	35288	1000	0.04263
6	CLIMB	ZERO	2456	3000	234	234	5020	34890	2675	0.10844
7	ACCEL	ZERO	3000	3218	234	250	5324	34563	1000	0.03900
8	CLIMB	ZERO	3218	5500	250	250	24037	34133	2564	0.09492
9	CLIMB	ZERO	5500	7500	250	250	24472	33879	2281	0.08173
10	CLIMB	ZERO	7500	10000	250	250	36247	33619	1993	0.06897

SEG. NO.	TYPE	FLAP	THRUST TYPE	VALUE
1	TKOFF	8	MAX TKOFF	
2	CLIMB	8	MAX TKOFF	
3	ACCEL	8	MAX TKOFF	
4	ACCEL	1	MAX TKOFF	
5	ACCEL	ZERO	MAX CLIMB	
6	CLIMB	ZERO	MAX CLIMB	
7	ACCEL	ZERO	MAX CLIMB	
8	CLIMB	ZERO	MAX CLIMB	
9	CLIMB	ZERO	MAX CLIMB	
10	CLIMB	ZERO	MAX CLIMB	

TAKEOFF PROFILE DATA (HEADWIND = 8 KT) 06-03-1991 16:46:58

AIRCRAFT ID NUMBER	AIRCRAFT AND ENGINE NAMES	AIRCRAFT CATEGORY
031	A300B4-200/CF6-50C2	JCOM

	DISTANCE FROM BRAKE RELEASE (FT)	HEIGHT (FT)	SPEED (KTAS)	THRUST (LB)
POINT 1	0	0	16	48700
POINT 2	6369	0	174	42411
POINT 3	13376	1000	176	42270
POINT 4	22216	1826	199	41354
POINT 5	28292	2206	221	40504
POINT 6	29292	2251	225	35653
POINT 7	33859	2456	243	34923
POINT 8	38879	3000	245	34856
POINT 9	44203	3218	262	34270
POINT 10	68240	5500	271	33997
POINT 11	92711	7500	280	33763
POINT 12	128959	10000	291	0

THRUST FOR LEVEL FLIGHT	GRADIENT AT TAKE-OFF POWER	TAKE-OFF THRUST	GRADIENT AT CLIMB POWER
17287	0.142725	42340	0.097722

CLIMB THRUST	GRADIENT AT FAR36 CUTBACK	THRUST FOR ENGINE OUT LEVEL FLIGHT	VZF (KCAS)
37021	0.090607	34573	234

NUMBER OF ENGINES	RATED THRUST LB	AIRCRAFT WEIGHT (LB)	STAGE NUMBER
2	52500	357000	5

APPROACH PROFILE DATA (HEADWIND = 8 KT) 02-15-1992 15:37:30

AIRCRAFT ID NUMBER	AIRCRAFT AND ENGINE NAMES	AIRCRAFT CATEGORY
031	A300B4-200/CF6-50C2	JCOM

	DISTANCE FROM RW THRESHOLD (FT)	HEIGHT (FT)	SPEED (KTAS)	THRUST (LB)	FLAPS
POINT 1	113533	6000	273	2103	ZERO
POINT 2	56289	3000	166	5845	1
POINT 3	27668	1500	152	7756	D 15
POINT 4	18127	1000	142	10303	D 25
POINT 5	-954	0	140	9937	D 25
POINT 6	-1342	0	133	31500	
POINT 7	-4830	0	30	5250	

NUMBER OF ENGINES	RATED THRUST LB	AIRCRAFT WEIGHT (LB)	GLIDE SLOPE
2	52500	265860	3.00

TAKEOFF SEGMENTS DATA (HEADWIND = 8 KT) 06-20-1991 17:18:47

AIRCRAFT ID NUMBER	AIRCRAFT AND ENGINE NAMES	AIRCRAFT CATEGORY
032	B767-200/CF6-80A	JCOM

AIRCRAFT WEIGHT	STAGE NUMBER	NUMBER OF ENGINES
227000	1	2

SEG. NO.	TYPE	FLAP	START ALT (FT)	END ALT (FT)	CALIBRATED START SPEED (KCAS)	CALIBRATED END SPEED (KCAS)	SEG. LNGTH (FT)	THRST (LB)	R/C (FPM)	GRAD
1	TKOFF	15	0	0	16	139	3414	38033	0	0.00000
2	CLIMB	15	0	1000	139	139	3716	38283	3826	0.26908
3	ACCEL	15	1000	1067	139	144	486	38437	1913	0.13247
4	ACCEL	5	1067	1335	144	164	2113	37925	1913	0.12139
5	ACCEL	1	1335	1589	164	204	4598	31132	1000	0.05259
6	ACCEL	ZERO	1589	1707	204	224	2488	29966	1000	0.04508
7	CLIMB	ZERO	1707	3000	224	224	6895	30031	4404	0.18749
8	ACCEL	ZERO	3000	3165	224	250	3941	29982	1000	0.03984
9	CLIMB	ZERO	3165	5500	250	250	13542	30301	4656	0.17241
10	CLIMB	ZERO	5500	7500	250	250	12104	31830	4611	0.16523
11	CLIMB	ZERO	7500	10000	250	250	15893	33416	4545	0.15730

SEG. NO.	TYPE	FLAP	THRUST TYPE	VALUE
1	TKOFF	15	MAX TKOFF	
2	CLIMB	15	MAX TKOFF	
3	ACCEL	15	MAX TKOFF	
4	ACCEL	5	MAX TKOFF	
5	ACCEL	1	MAX CLIMB	
6	ACCEL	ZERO	MAX CLIMB	
7	CLIMB	ZERO	MAX CLIMB	
8	ACCEL	ZERO	MAX CLIMB	
9	CLIMB	ZERO	MAX CLIMB	
10	CLIMB	ZERO	MAX CLIMB	
11	CLIMB	ZERO	MAX CLIMB	

TAKEOFF PROFILE DATA (HEADWIND = 8 KT) 06-20-1991 17:18:50

AIRCRAFT ID NUMBER	AIRCRAFT AND ENGINE NAMES	AIRCRAFT CATEGORY
032	B767-200/CF6-80A	JCOM

	DISTANCE FROM BRAKE RELEASE (FT)	HEIGHT (FT)	SPEED (KTAS)	THRUST (LB)
POINT 1	0	0	16	43996
POINT 2	3414	0	139	38033
POINT 3	7131	1000	141	38533
POINT 4	7617	1067	146	38342
POINT 5	9730	1335	167	37509
POINT 6	10730	1390	176	31907
POINT 7	14328	1589	209	30357
POINT 8	16815	1707	230	29575
POINT 9	23710	3000	234	30486
POINT 10	27650	3165	262	29478
POINT 11	41193	5500	271	31125
POINT 12	53297	7500	280	32535
POINT 13	69190	10000	291	0

THRUST FOR LEVEL FLIGHT	GRADIENT AT TAKE-OFF POWER	TAKE-OFF THRUST	GRADIENT AT CLIMB POWER
8740	0.269079	38283	0.203942

CLIMB THRUST	GRADIENT AT FAR36 CUTBACK	THRUST FOR ENGINE OUT LEVEL FLIGHT	VZF (KCAS)
33794	0.071936	17480	204

NUMBER OF ENGINES	RATED THRUST LB	AIRCRAFT WEIGHT (LB)	STAGE NUMBER
2	48000	227000	1

TAKEOFF SEGMENTS DATA (HEADWIND = 8 KT) 06-20-1991 17:20:10

AIRCRAFT ID NUMBER	AIRCRAFT AND ENGINE NAMES	AIRCRAFT CATEGORY
032	B767-200/CF6-80A	JCOM

AIRCRAFT WEIGHT	STAGE NUMBER	NUMBER OF ENGINES
236000	2	2

SEG. NO.	TYPE	FLAP	START ALT (FT)	END ALT (FT)	CALIBRATED START SPEED (KCAS)	CALIBRATED END SPEED (KCAS)	SEG. LNGTH (FT)	THRST (LB)	R/C (FPM)	GRAD
1	TKOFF	15	0	0	16	142	3703	37900	0	0.00000
2	CLIMB	15	0	1000	142	142	3941	38150	3679	0.25376
3	ACCEL	15	1000	1072	142	147	553	38300	1840	0.12477
4	ACCEL	5	1072	1344	147	167	2271	37784	1840	0.11442
5	ACCEL	1	1344	1611	167	206	4900	31034	1000	0.05187
6	ACCEL	ZERO	1611	1737	206	226	2687	29897	1000	0.04465
7	CLIMB	ZERO	1737	3000	226	226	7114	29955	4208	0.17753
8	ACCEL	ZERO	3000	3163	226	250	3901	29938	1000	0.03967
9	CLIMB	ZERO	3163	5500	250	250	14268	30301	4423	0.16381
10	CLIMB	ZERO	5500	7500	250	250	12745	31830	4380	0.15693
11	CLIMB	ZERO	7500	10000	250	250	16741	33416	4315	0.14933

SEG. NO.	TYPE	FLAP	THRUST TYPE	VALUE
1	TKOFF	15	MAX TKOFF	
2	CLIMB	15	MAX TKOFF	
3	ACCEL	15	MAX TKOFF	
4	ACCEL	5	MAX TKOFF	
5	ACCEL	1	MAX CLIMB	
6	ACCEL	ZERO	MAX CLIMB	
7	CLIMB	ZERO	MAX CLIMB	
8	ACCEL	ZERO	MAX CLIMB	
9	CLIMB	ZERO	MAX CLIMB	
10	CLIMB	ZERO	MAX CLIMB	
11	CLIMB	ZERO	MAX CLIMB	

TAKEOFF PROFILE DATA (HEADWIND = 8 KT) 06-20-1991 17:20:14

AIRCRAFT ID NUMBER	AIRCRAFT AND ENGINE NAMES	AIRCRAFT CATEGORY
032	B767-200/CF6-80A	JCOM

	DISTANCE FROM BRAKE RELEASE (FT)	HEIGHT (FT)	SPEED (KTAS)	THRUST (LB)
POINT 1	0	0	16	43996
POINT 2	3703	0	142	37900
POINT 3	7644	1000	144	38400
POINT 4	8197	1072	149	38199
POINT 5	10467	1344	170	37368
POINT 6	11467	1398	179	31783
POINT 7	15368	1611	211	30285
POINT 8	18055	1737	232	29509
POINT 9	25168	3000	236	30400
POINT 10	29069	3163	262	29477
POINT 11	43337	5500	271	31125
POINT 12	56081	7500	280	32535
POINT 13	72823	10000	291	0

THRUST FOR LEVEL FLIGHT	GRADIENT AT TAKE-OFF POWER	TAKE-OFF THRUST	GRADIENT AT CLIMB POWER
9086	0.253762	38150	0.191870

CLIMB THRUST	GRADIENT AT FAR36 CUTBACK	THRUST FOR ENGINE OUT LEVEL FLIGHT	VZF (KCAS)
33675	0.071936	18173	206

NUMBER OF ENGINES	RATED THRUST LB	AIRCRAFT WEIGHT (LB)	STAGE NUMBER
2	48000	236000	2

TAKEOFF SEGMENTS DATA (HEADWIND = 8 KT) 06-20-1991 17:21:55

AIRCRAFT ID NUMBER	AIRCRAFT AND ENGINE NAMES	AIRCRAFT CATEGORY
032	B767-200/CF6-80A	JCOM

AIRCRAFT WEIGHT	STAGE NUMBER	NUMBER OF ENGINES
245300	3	2

SEG. NO.	TYPE	FLAP	START ALT (FT)	END ALT (FT)	CALIBRATED START SPEED (KCAS)	CALIBRATED END SPEED (KCAS)	SEG. LNGTH (FT)	THRST (LB)	R/C (FPM)	GRAD
1	TKOFF	15	0	0	16	145	4015	37766	0	0.00000
2	CLIMB	15	0	1000	145	145	4179	38016	3537	0.23929
3	ACCEL	15	1000	1076	145	150	622	38161	1769	0.11750
4	ACCEL	5	1076	1352	150	170	2442	37642	1769	0.10786
5	ACCEL	1	1352	1641	170	209	5383	30918	1000	0.05103
6	ACCEL	ZERO	1641	1776	209	229	2924	29792	1000	0.04401
7	CLIMB	ZERO	1776	3000	229	229	7296	29839	4030	0.16775
8	ACCEL	ZERO	3000	3152	229	250	3675	29870	1000	0.03943
9	CLIMB	ZERO	3152	5500	250	250	15084	30297	4202	0.15563
10	CLIMB	ZERO	5500	7500	250	250	13421	31830	4159	0.14902
11	CLIMB	ZERO	7500	10000	250	250	17639	33416	4095	0.14173

SEG. NO.	TYPE	FLAP	THRUST TYPE	VALUE
1	TKOFF	15	MAX TKOFF	
2	CLIMB	15	MAX TKOFF	
3	ACCEL	15	MAX TKOFF	
4	ACCEL	5	MAX TKOFF	
5	ACCEL	1	MAX CLIMB	
6	ACCEL	ZERO	MAX CLIMB	
7	CLIMB	ZERO	MAX CLIMB	
8	ACCEL	ZERO	MAX CLIMB	
9	CLIMB	ZERO	MAX CLIMB	
10	CLIMB	ZERO	MAX CLIMB	
11	CLIMB	ZERO	MAX CLIMB	

TAKEOFF PROFILE DATA (HEADWIND = 8 KT) 06-20-1991 17:22:02

AIRCRAFT ID NUMBER	AIRCRAFT AND ENGINE NAMES	AIRCRAFT CATEGORY
032	B767-200/CF6-80A	JCOM

	DISTANCE FROM BRAKE RELEASE (FT)	HEIGHT (FT)	SPEED (KTAS)	THRUST (LB)
POINT 1	0	0	16	43996
POINT 2	4015	0	145	37766
POINT 3	8194	1000	147	38266
POINT 4	8816	1076	152	38056
POINT 5	11258	1352	173	37227
POINT 6	12258	1406	181	31659
POINT 7	16641	1641	214	30177
POINT 8	19565	1776	235	29407
POINT 9	26860	3000	239	30270
POINT 10	30535	3152	262	29469
POINT 11	45619	5500	271	31125
POINT 12	59040	7500	280	32535
POINT 13	76679	10000	291	0

THRUST FOR LEVEL FLIGHT	GRADIENT AT TAKE-OFF POWER	TAKE-OFF THRUST	GRADIENT AT CLIMB POWER
9444	0.239293	38016	0.180421

CLIMB THRUST	GRADIENT AT FAR36 CUTBACK	THRUST FOR ENGINE OUT LEVEL FLIGHT	VZF (KCAS)
33556	0.071936	18889	209

NUMBER OF ENGINES	RATED THRUST LB	AIRCRAFT WEIGHT (LB)	STAGE NUMBER
2	48000	245300	3

TAKEOFF SEGMENTS DATA (HEADWIND = 8 KT) 06-20-1991 17:23:14

AIRCRAFT ID NUMBER	AIRCRAFT AND ENGINE NAMES	AIRCRAFT CATEGORY
032	B767-200/CF6-80A	JCOM

AIRCRAFT WEIGHT	STAGE NUMBER	NUMBER OF ENGINES
261400	4	2

SEG. NO.	TYPE	FLAP	START ALT (FT)	END ALT (FT)	CALIBRATED START SPEED (KCAS)	CALIBRATED END SPEED (KCAS)	SEG. LNGTH (FT)	THRST (LB)	R/C (FPM)	GRAD
1	TKOFF	15	0	0	16	150	4587	37540	0	0.00000
2	CLIMB	15	0	1000	150	150	4608	37790	3311	0.21701
3	ACCEL	15	1000	1083	150	155	748	37929	1656	0.10636
4	ACCEL	5	1083	1366	155	175	2758	37405	1656	0.09779
5	ACCEL	1	1366	1696	175	214	6322	30726	1000	0.04969
6	ACCEL	ZERO	1696	1849	214	234	3374	29621	1000	0.04299
7	CLIMB	ZERO	1849	3000	234	234	7546	29648	3748	0.15260
8	ACCEL	ZERO	3000	3130	234	250	3174	29754	1000	0.03903
9	CLIMB	ZERO	3130	5500	250	250	16581	30289	3858	0.14292
10	CLIMB	ZERO	5500	7500	250	250	14629	31830	3815	0.13671
11	CLIMB	ZERO	7500	10000	250	250	19244	33416	3754	0.12991

SEG. NO.	TYPE	FLAP	THRUST TYPE	VALUE
1	TKOFF	15	MAX TKOFF	
2	CLIMB	15	MAX TKOFF	
3	ACCEL	15	MAX TKOFF	
4	ACCEL	5	MAX TKOFF	
5	ACCEL	1	MAX CLIMB	
6	ACCEL	ZERO	MAX CLIMB	
7	CLIMB	ZERO	MAX CLIMB	
8	ACCEL	ZERO	MAX CLIMB	
9	CLIMB	ZERO	MAX CLIMB	
10	CLIMB	ZERO	MAX CLIMB	
11	CLIMB	ZERO	MAX CLIMB	

TAKEOFF PROFILE DATA (HEADWIND = 8 KT) 06-20-1991 17:23:18

AIRCRAFT ID NUMBER	AIRCRAFT AND ENGINE NAMES	AIRCRAFT CATEGORY
032	B767-200/CF6-80A	JCOM

	DISTANCE FROM BRAKE RELEASE (FT)	HEIGHT (FT)	SPEED (KTAS)	THRUST (LB)
POINT 1	0	0	16	43996
POINT 2	4587	0	150	37540
POINT 3	9195	1000	152	38040
POINT 4	9943	1083	157	37818
POINT 5	12700	1366	179	36992
POINT 6	13700	1418	185	31453
POINT 7	19022	1696	219	29999
POINT 8	22396	1849	240	29242
POINT 9	29942	3000	245	30054
POINT 10	33116	3130	262	29454
POINT 11	49697	5500	271	31125
POINT 12	64326	7500	280	32535
POINT 13	83570	10000	291	0

THRUST FOR LEVEL FLIGHT	GRADIENT AT TAKE-OFF POWER	TAKE-OFF THRUST	GRADIENT AT CLIMB POWER
10064	0.217005	37790	0.162699

CLIMB THRUST	GRADIENT AT FAR36 CUTBACK	THRUST FOR ENGINE OUT LEVEL FLIGHT	VZF (KCAS)
33353	0.071936	20129	214

NUMBER OF ENGINES	RATED THRUST LB	AIRCRAFT WEIGHT (LB)	STAGE NUMBER
2	48000	261400	4

TAKEOFF SEGMENTS DATA (HEADWIND = 8 KT) 06-20-1991 17:24:39

AIRCRAFT ID NUMBER	AIRCRAFT AND ENGINE NAMES	AIRCRAFT CATEGORY
032	B767-200/CF6-80A	JCOM

AIRCRAFT WEIGHT	STAGE NUMBER	NUMBER OF ENGINES
281600	5	2

SEG. NO.	TYPE	FLAP	START ALT (FT)	END ALT (FT)	CALIBRATED START SPEED (KCAS)	CALIBRATED END SPEED (KCAS)	SEG. LNGTH (FT)	THRST (LB)	R/C (FPM)	GRAD
1	TKOFF	15	0	0	16	155	5362	37266	0	0.00000
2	CLIMB	15	0	1000	155	155	5180	37516	3057	0.19307
3	ACCEL	15	1000	1075	155	160	759	37669	1529	0.09477
4	ACCEL	5	1075	1367	160	180	3175	37162	1529	0.08756
5	ACCEL	1	1367	1758	180	219	7675	30532	1000	0.04842
6	ACCEL	ZERO	1758	1934	219	239	3999	29456	1000	0.04200
7	CLIMB	ZERO	1934	3000	239	239	7806	29462	3427	0.13652
8	ACCEL	ZERO	3000	3103	239	250	2541	29636	1000	0.03863
9	CLIMB	ZERO	3103	5500	250	250	18566	30280	3484	0.12909
10	CLIMB	ZERO	5500	7500	250	250	16216	31830	3442	0.12333
11	CLIMB	ZERO	7500	10000	250	250	21359	33416	3382	0.11705

SEG. NO.	TYPE	FLAP	THRUST TYPE	VALUE
1	TKOFF	15	MAX TKOFF	
2	CLIMB	15	MAX TKOFF	
3	ACCEL	15	MAX TKOFF	
4	ACCEL	5	MAX TKOFF	
5	ACCEL	1	MAX CLIMB	
6	ACCEL	ZERO	MAX CLIMB	
7	CLIMB	ZERO	MAX CLIMB	
8	ACCEL	ZERO	MAX CLIMB	
9	CLIMB	ZERO	MAX CLIMB	
10	CLIMB	ZERO	MAX CLIMB	
11	CLIMB	ZERO	MAX CLIMB	

TAKEOFF PROFILE DATA (HEADWIND = 8 KT) 06-20-1991 17:24:42

AIRCRAFT ID NUMBER	AIRCRAFT AND ENGINE NAMES	AIRCRAFT CATEGORY
032	B767-200/CF6-80A	JCOM

	DISTANCE FROM BRAKE RELEASE (FT)	HEIGHT (FT)	SPEED (KTAS)	THRUST (LB)
POINT 1	0	0	16	43996
POINT 2	5362	0	155	37266
POINT 3	10542	1000	158	37766
POINT 4	11301	1075	163	37572
POINT 5	14476	1367	184	36751
POINT 6	15476	1418	189	31237
POINT 7	22152	1758	225	29827
POINT 8	26150	1934	246	29086
POINT 9	33957	3000	250	29838
POINT 10	36498	3103	262	29435
POINT 11	55064	5500	271	31125
POINT 12	71280	7500	280	32535
POINT 13	92639	10000	291	0

THRUST FOR LEVEL FLIGHT	GRADIENT AT TAKE-OFF POWER	TAKE-OFF THRUST	GRADIENT AT CLIMB POWER
10842	0.193065	37516	0.143558

CLIMB THRUST	GRADIENT AT FAR36 CUTBACK	THRUST FOR ENGINE OUT LEVEL FLIGHT	VZF (KCAS)
33108	0.071936	21684	219

NUMBER OF ENGINES	RATED THRUST LB	AIRCRAFT WEIGHT (LB)	STAGE NUMBER
2	48000	281600	5

TAKEOFF SEGMENTS DATA (HEADWIND = 8 KT) 06-20-1991 17:25:53

AIRCRAFT ID NUMBER	AIRCRAFT AND ENGINE NAMES	AIRCRAFT CATEGORY
032	B767-200/CF6-80A	JCOM

AIRCRAFT WEIGHT	STAGE NUMBER	NUMBER OF ENGINES
303300	6	2

SEG. NO.	TYPE	FLAP	START ALT (FT)	END ALT (FT)	CALIBRATED START SPEED (KCAS)	CALIBRATED END SPEED (KCAS)	SEG. LNGTH (FT)	THRST (LB)	R/C (FPM)	GRAD
1	TKOFF	15	0	0	16	161	6268	36982	0	0.00000
2	CLIMB	15	0	1000	161	161	5839	37232	2814	0.17126
3	ACCEL	15	1000	1080	161	166	909	37383	1407	0.08396
4	ACCEL	5	1080	1381	166	186	3686	36876	1407	0.07775
5	ACCEL	1	1381	1851	186	225	9523	30310	1000	0.04696
6	ACCEL	ZERO	1851	2058	225	245	4817	29274	1000	0.04086
7	CLIMB	ZERO	2058	3000	245	245	7751	29246	3130	0.12153
8	ACCEL	ZERO	3000	3055	245	250	1361	29489	1000	0.03818
9	CLIMB	ZERO	3055	5500	250	250	21011	30263	3140	0.11638
10	CLIMB	ZERO	5500	7500	250	250	18018	31830	3098	0.11100
11	CLIMB	ZERO	7500	10000	250	250	23767	33416	3039	0.10519

SEG. NO.	TYPE	FLAP	THRUST TYPE	VALUE
1	TKOFF	15	MAX TKOFF	
2	CLIMB	15	MAX TKOFF	
3	ACCEL	15	MAX TKOFF	
4	ACCEL	5	MAX TKOFF	
5	ACCEL	1	MAX CLIMB	
6	ACCEL	ZERO	MAX CLIMB	
7	CLIMB	ZERO	MAX CLIMB	
8	ACCEL	ZERO	MAX CLIMB	
9	CLIMB	ZERO	MAX CLIMB	
10	CLIMB	ZERO	MAX CLIMB	
11	CLIMB	ZERO	MAX CLIMB	

TAKEOFF PROFILE DATA (HEADWIND = 8 KT) 06-20-1991 17:25:56

AIRCRAFT ID NUMBER	AIRCRAFT AND ENGINE NAMES	AIRCRAFT CATEGORY
032	B767-200/CF6-80A	JCOM

	DISTANCE FROM BRAKE RELEASE (FT)	HEIGHT (FT)	SPEED (KTAS)	THRUST (LB)
POINT 1	0	0	16	43996
POINT 2	6268	0	161	36982
POINT 3	12108	1000	163	37482
POINT 4	13017	1080	169	37285
POINT 5	16703	1381	190	36468
POINT 6	17703	1430	194	30988
POINT 7	26225	1851	231	29633
POINT 8	31042	2058	253	28914
POINT 9	38793	3000	256	29578
POINT 10	40154	3055	262	29401
POINT 11	61165	5500	271	31125
POINT 12	79183	7500	280	32535
POINT 13	102949	10000	291	0

THRUST FOR LEVEL FLIGHT	GRADIENT AT TAKE-OFF POWER	TAKE-OFF THRUST	GRADIENT AT CLIMB POWER
11677	0.171256	37232	0.126033

CLIMB THRUST	GRADIENT AT FAR36 CUTBACK	THRUST FOR ENGINE OUT LEVEL FLIGHT	VZF (KCAS)
32854	0.071936	23355	225

NUMBER OF ENGINES	RATED THRUST LB	AIRCRAFT WEIGHT (LB)	STAGE NUMBER
2	48000	303300	6

TAKEOFF SEGMENTS DATA (HEADWIND = 8 KT) 06-20-1991 17:27:27

AIRCRAFT ID NUMBER	AIRCRAFT AND ENGINE NAMES	AIRCRAFT CATEGORY
032	B767-200/CF6-80A	JCOM

AIRCRAFT WEIGHT	STAGE NUMBER	NUMBER OF ENGINES
315500	7	2

SEG. NO.	TYPE	FLAP	START ALT (FT)	END ALT (FT)	CALIBRATED START SPEED (KCAS)	CALIBRATED END SPEED (KCAS)	SEG. LNGTH (FT)	THRST (LB)	R/C (FPM)	GRAD
1	TKOFF	15	0	0	16	164	6811	36827	0	0.00000
2	CLIMB	15	0	1000	164	164	6233	37077	2689	0.16043
3	ACCEL	15	1000	1078	164	169	947	37233	1345	0.07874
4	ACCEL	5	1078	1385	169	189	3995	36732	1345	0.07305
5	ACCEL	1	1385	1908	189	228	10754	30202	1000	0.04626
6	ACCEL	ZERO	1908	2134	228	248	5340	29191	1000	0.04030
7	CLIMB	ZERO	2134	3000	248	248	7587	29143	2977	0.11413
8	ACCEL	ZERO	3000	3024	248	250	597	29414	1000	0.03796
9	CLIMB	ZERO	3024	5500	250	250	22505	30252	2968	0.11003
10	CLIMB	ZERO	5500	7500	250	250	19078	31830	2926	0.10483
11	CLIMB	ZERO	7500	10000	250	250	25187	33416	2868	0.09926

SEG. NO.	TYPE	FLAP	THRUST TYPE	VALUE
1	TKOFF	15	MAX TKOFF	
2	CLIMB	15	MAX TKOFF	
3	ACCEL	15	MAX TKOFF	
4	ACCEL	5	MAX TKOFF	
5	ACCEL	1	MAX CLIMB	
6	ACCEL	ZERO	MAX CLIMB	
7	CLIMB	ZERO	MAX CLIMB	
8	ACCEL	ZERO	MAX CLIMB	
9	CLIMB	ZERO	MAX CLIMB	
10	CLIMB	ZERO	MAX CLIMB	
11	CLIMB	ZERO	MAX CLIMB	

TAKEOFF PROFILE DATA (HEADWIND = 8 KT) 06-20-1991 17:27:30

AIRCRAFT ID NUMBER	AIRCRAFT AND ENGINE NAMES	AIRCRAFT CATEGORY
032	B767-200/CF6-80A	JCOM

	DISTANCE FROM BRAKE RELEASE (FT)	HEIGHT (FT)	SPEED (KTAS)	THRUST (LB)
POINT 1	0	0	16	43996
POINT 2	6811	0	164	36827
POINT 3	13044	1000	167	37327
POINT 4	13992	1078	172	37139
POINT 5	17986	1385	193	36325
POINT 6	18986	1433	197	30861
POINT 7	28740	1908	234	29543
POINT 8	34079	2134	256	28838
POINT 9	41667	3000	259	29448
POINT 10	42263	3024	261	29379
POINT 11	64768	5500	271	31125
POINT 12	83846	7500	280	32535
POINT 13	109034	10000	291	0

THRUST FOR LEVEL FLIGHT	GRADIENT AT TAKE-OFF POWER	TAKE-OFF THRUST	GRADIENT AT CLIMB POWER
12147	0.160432	37077	0.117306

CLIMB THRUST	GRADIENT AT FAR36 CUTBACK	THRUST FOR ENGINE OUT LEVEL FLIGHT	VZF (KCAS)
32716	0.071936	24294	228

NUMBER OF ENGINES	RATED THRUST LB	AIRCRAFT WEIGHT (LB)	STAGE NUMBER
2	48000	315500	7

APPROACH PROFILE DATA (HEADWIND = 8 KT) 02-15-1992 13:01:54

AIRCRAFT ID NUMBER	AIRCRAFT AND ENGINE NAMES	AIRCRAFT CATEGORY
032	B767-200/CF6-80A	JCOM

	DISTANCE FROM RW THRESHOLD (FT)	HEIGHT (FT)	SPEED (KTAS)	THRUST (LB)	FLAPS
POINT 1	113533	6000	273	2091	1
POINT 2	56289	3000	176	2398	5
POINT 3	27668	1500	146	7272	D 25
POINT 4	18127	1000	141	9119	D 30
POINT 5	-954	0	138	8795	D 30
POINT 6	-1282	0	131	28800	
POINT 7	-4230	0	30	4800	

NUMBER OF ENGINES	RATED THRUST LB	AIRCRAFT WEIGHT (LB)	GLIDE SLOPE
2	48000	243000	3.00

TAKEOFF SEGMENTS DATA (HEADWIND = 8 KT) 06-20-1991 10:35:44

AIRCRAFT ID NUMBER	AIRCRAFT AND ENGINE NAMES	AIRCRAFT CATEGORY
033	B767-200/JT9D-7R4D	JCOM

AIRCRAFT WEIGHT	STAGE NUMBER	NUMBER OF ENGINES
228500	1	2

SEG. NO.	TYPE	FLAP	START ALT (FT)	END ALT (FT)	CALIBRATED START SPEED (KCAS)	CALIBRATED END SPEED (KCAS)	SEG. LNGTH (FT)	THRST (LB)	R/C (FPM)	GRAD
1	TKOFF	15	0	0	16	140	3020	37695	0	0.00000
2	CLIMB	15	0	1000	140	140	3796	38133	3757	0.26342
3	ACCEL	15	1000	1074	140	145	547	38502	1879	0.12940
4	ACCEL	5	1074	1336	145	165	2114	38154	1879	0.11842
5	ACCEL	1	1336	1562	165	204	4107	33045	1000	0.05246
6	ACCEL	ZERO	1562	1670	204	224	2286	32109	1000	0.04510
7	CLIMB	ZERO	1670	3000	224	224	6655	32116	4691	0.19978
8	ACCEL	ZERO	3000	3153	224	250	3650	32031	1000	0.03984
9	CLIMB	ZERO	3153	5500	250	250	12898	32195	4913	0.18196
10	CLIMB	ZERO	5500	7500	250	250	11732	33260	4758	0.17048
11	CLIMB	ZERO	7500	10000	250	250	15747	34363	4587	0.15877

SEG. NO.	TYPE	FLAP	THRUST TYPE	VALUE
1	TKOFF	15	MAX TKOFF	
2	CLIMB	15	MAX TKOFF	
3	ACCEL	15	MAX TKOFF	
4	ACCEL	5	MAX TKOFF	
5	ACCEL	1	MAX CLIMB	
6	ACCEL	ZERO	MAX CLIMB	
7	CLIMB	ZERO	MAX CLIMB	
8	ACCEL	ZERO	MAX CLIMB	
9	CLIMB	ZERO	MAX CLIMB	
10	CLIMB	ZERO	MAX CLIMB	
11	CLIMB	ZERO	MAX CLIMB	

TAKEOFF PROFILE DATA (HEADWIND = 8 KT) 06-20-1991 10:35:48

AIRCRAFT ID NUMBER	AIRCRAFT AND ENGINE NAMES	AIRCRAFT CATEGORY
033	B767-200/JT9D-7R4D	JCOM

	DISTANCE FROM BRAKE RELEASE (FT)	HEIGHT (FT)	SPEED (KTAS)	THRUST (LB)
POINT 1	0	0	16	42561
POINT 2	3020	0	140	37695
POINT 3	6816	1000	142	38571
POINT 4	7362	1074	147	38432
POINT 5	9477	1336	168	37875
POINT 6	10477	1391	178	33662
POINT 7	13584	1562	209	32427
POINT 8	15870	1670	230	31791
POINT 9	22525	3000	234	32442
POINT 10	26175	3153	262	31620
POINT 11	39074	5500	271	32770
POINT 12	50805	7500	280	33750
POINT 13	66552	10000	291	0

THRUST FOR LEVEL FLIGHT	GRADIENT AT TAKE-OFF POWER	TAKE-OFF THRUST	GRADIENT AT CLIMB POWER
8988	0.263418	38133	0.211544

CLIMB THRUST	GRADIENT AT FAR36 CUTBACK	THRUST FOR ENGINE OUT LEVEL FLIGHT	VZF (KCAS)
35101	0.073499	17976	204

NUMBER OF ENGINES	RATED THRUST LB	AIRCRAFT WEIGHT (LB)	STAGE NUMBER
2	48000	228500	1

TAKEOFF SEGMENTS DATA (HEADWIND = 8 KT) 06-20-1991 10:36:55

AIRCRAFT ID NUMBER	AIRCRAFT AND ENGINE NAMES	AIRCRAFT CATEGORY
033	B767-200/JT9D-7R4D	JCOM

AIRCRAFT WEIGHT	STAGE NUMBER	NUMBER OF ENGINES
237600	2	2

SEG. NO.	TYPE	FLAP	START ALT (FT)	END ALT (FT)	CALIBRATED START SPEED (KCAS)	CALIBRATED END SPEED (KCAS)	SEG. LNGTH (FT)	THRST (LB)	R/C (FPM)	GRAD
1	TKOFF	15	0	0	16	143	3274	37587	0	0.00000
2	CLIMB	15	0	1000	143	143	4025	38025	3614	0.24848
3	ACCEL	15	1000	1078	143	148	615	38391	1807	0.12185
4	ACCEL	5	1078	1343	148	168	2271	38041	1807	0.11162
5	ACCEL	1	1343	1587	168	207	4485	32949	1000	0.05160
6	ACCEL	ZERO	1587	1703	207	227	2478	32019	1000	0.04446
7	CLIMB	ZERO	1703	3000	227	227	6866	32021	4497	0.18896
8	ACCEL	ZERO	3000	3144	227	250	3466	31977	1000	0.03959
9	CLIMB	ZERO	3144	5500	250	250	13631	32193	4666	0.17282
10	CLIMB	ZERO	5500	7500	250	250	12361	33260	4516	0.16180
11	CLIMB	ZERO	7500	10000	250	250	16602	34363	4351	0.15058

SEG. NO.	TYPE	FLAP	THRUST TYPE	VALUE
1	TKOFF	15	MAX TKOFF	
2	CLIMB	15	MAX TKOFF	
3	ACCEL	15	MAX TKOFF	
4	ACCEL	5	MAX TKOFF	
5	ACCEL	1	MAX CLIMB	
6	ACCEL	ZERO	MAX CLIMB	
7	CLIMB	ZERO	MAX CLIMB	
8	ACCEL	ZERO	MAX CLIMB	
9	CLIMB	ZERO	MAX CLIMB	
10	CLIMB	ZERO	MAX CLIMB	
11	CLIMB	ZERO	MAX CLIMB	

TAKEOFF PROFILE DATA (HEADWIND = 8 KT) 06-20-1991 10:36:59

AIRCRAFT ID NUMBER	AIRCRAFT AND ENGINE NAMES	AIRCRAFT CATEGORY
033	B767-200/JT9D-7R4D	JCOM

	DISTANCE FROM BRAKE RELEASE (FT)	HEIGHT (FT)	SPEED (KTAS)	THRUST (LB)
POINT 1	0	0	16	42561
POINT 2	3274	0	143	37587
POINT 3	7299	1000	145	38463
POINT 4	7914	1078	150	38318
POINT 5	10185	1343	171	37764
POINT 6	11185	1398	180	33562
POINT 7	14670	1587	212	32336
POINT 8	17148	1703	233	31703
POINT 9	24014	3000	237	32339
POINT 10	27480	3144	262	31616
POINT 11	41111	5500	271	32770
POINT 12	53472	7500	280	33750
POINT 13	70074	10000	291	0

THRUST FOR LEVEL FLIGHT	GRADIENT AT TAKE-OFF POWER	TAKE-OFF THRUST	GRADIENT AT CLIMB POWER
9346	0.248476	38025	0.199214

CLIMB THRUST	GRADIENT AT FAR36 CUTBACK	THRUST FOR ENGINE OUT LEVEL FLIGHT	VZF (KCAS)
35006	0.073499	18691	207

NUMBER OF ENGINES	RATED THRUST LB	AIRCRAFT WEIGHT (LB)	STAGE NUMBER
2	48000	237600	2

TAKEOFF SEGMENTS DATA (HEADWIND = 8 KT) 06-20-1991 10:38:19

AIRCRAFT ID NUMBER	AIRCRAFT AND ENGINE NAMES	AIRCRAFT CATEGORY
033	B767-200/JT9D-7R4D	JCOM

AIRCRAFT WEIGHT	STAGE NUMBER	NUMBER OF ENGINES
247000	3	2

SEG. NO.	TYPE	FLAP	START ALT (FT)	END ALT (FT)	CALIBRATED START SPEED (KCAS)	CALIBRATED END SPEED (KCAS)	SEG. LNGTH (FT)	THRST (LB)	R/C (FPM)	GRAD
1	TKOFF	15	0	0	16	145	3549	37477	0	0.00000
2	CLIMB	15	0	1000	145	145	4267	37915	3476	0.23436
3	ACCEL	15	1000	1068	145	150	564	38292	1738	0.11522
4	ACCEL	5	1068	1338	150	170	2431	37956	1738	0.10596
5	ACCEL	1	1338	1606	170	210	5015	32866	1000	0.05092
6	ACCEL	ZERO	1606	1730	210	230	2688	31927	1000	0.04384
7	CLIMB	ZERO	1730	3000	230	230	7106	31924	4311	0.17872
8	ACCEL	ZERO	3000	3134	230	250	3239	31923	1000	0.03935
9	CLIMB	ZERO	3134	5500	250	250	14416	32190	4431	0.16413
10	CLIMB	ZERO	5500	7500	250	250	13026	33260	4285	0.15354
11	CLIMB	ZERO	7500	10000	250	250	17508	34363	4126	0.14279

SEG. NO.	TYPE	FLAP	THRUST TYPE	VALUE
1	TKOFF	15	MAX TKOFF	
2	CLIMB	15	MAX TKOFF	
3	ACCEL	15	MAX TKOFF	
4	ACCEL	5	MAX TKOFF	
5	ACCEL	1	MAX CLIMB	
6	ACCEL	ZERO	MAX CLIMB	
7	CLIMB	ZERO	MAX CLIMB	
8	ACCEL	ZERO	MAX CLIMB	
9	CLIMB	ZERO	MAX CLIMB	
10	CLIMB	ZERO	MAX CLIMB	
11	CLIMB	ZERO	MAX CLIMB	

TAKEOFF PROFILE DATA (HEADWIND = 8 KT) 06-20-1991 10:38:24

AIRCRAFT ID NUMBER	AIRCRAFT AND ENGINE NAMES	AIRCRAFT CATEGORY
033	B767-200/JT9D-7R4D	JCOM

	DISTANCE FROM BRAKE RELEASE (FT)	HEIGHT (FT)	SPEED (KTAS)	THRUST (LB)
POINT 1	0	0	16	42561
POINT 2	3549	0	145	37477
POINT 3	7816	1000	148	38353
POINT 4	8380	1068	152	38231
POINT 5	10811	1338	173	37681
POINT 6	11811	1391	182	33490
POINT 7	15826	1606	215	32242
POINT 8	18514	1730	236	31613
POINT 9	25620	3000	240	32235
POINT 10	28859	3134	262	31611
POINT 11	43274	5500	271	32770
POINT 12	56300	7500	280	33750
POINT 13	73808	10000	291	0

THRUST FOR LEVEL FLIGHT	GRADIENT AT TAKE-OFF POWER	TAKE-OFF THRUST	GRADIENT AT CLIMB POWER
9715	0.234361	37915	0.187527

CLIMB THRUST	GRADIENT AT FAR36 CUTBACK	THRUST FOR ENGINE OUT LEVEL FLIGHT	VZF (KCAS)
34910	0.073499	19431	210

NUMBER OF ENGINES	RATED THRUST LB	AIRCRAFT WEIGHT (LB)	STAGE NUMBER
2	48000	247000	3

TAKEOFF SEGMENTS DATA (HEADWIND = 8 KT) 06-20-1991 10:40:29

AIRCRAFT ID NUMBER	AIRCRAFT AND ENGINE NAMES	AIRCRAFT CATEGORY
033	B767-200/JT9D-7R4D	JCOM

AIRCRAFT WEIGHT	STAGE NUMBER	NUMBER OF ENGINES
263600	4	2

SEG. NO.	TYPE	FLAP	START ALT (FT)	END ALT (FT)	CALIBRATED START SPEED (KCAS)	CALIBRATED END SPEED (KCAS)	SEG. LNGTH (FT)	THRST (LB)	R/C (FPM)	GRAD
1	TKOFF	15	0	0	16	150	4062	37288	0	0.00000
2	CLIMB	15	0	1000	150	150	4712	37726	3251	0.21220
3	ACCEL	15	1000	1073	150	155	666	38101	1626	0.10420
4	ACCEL	5	1073	1349	155	175	2749	37766	1626	0.09603
5	ACCEL	1	1349	1647	175	214	5694	32724	1000	0.04972
6	ACCEL	ZERO	1647	1786	214	234	3077	31813	1000	0.04302
7	CLIMB	ZERO	1786	3000	234	234	7456	31800	3997	0.16282
8	ACCEL	ZERO	3000	3120	234	250	2927	31850	1000	0.03903
9	CLIMB	ZERO	3120	5500	250	250	15829	32187	4058	0.15035
10	CLIMB	ZERO	5500	7500	250	250	14239	33260	3920	0.14046
11	CLIMB	ZERO	7500	10000	250	250	19166	34363	3769	0.13044

SEG. NO.	TYPE	FLAP	THRUST TYPE	VALUE
1	TKOFF	15	MAX TKOFF	
2	CLIMB	15	MAX TKOFF	
3	ACCEL	15	MAX TKOFF	
4	ACCEL	5	MAX TKOFF	
5	ACCEL	1	MAX CLIMB	
6	ACCEL	ZERO	MAX CLIMB	
7	CLIMB	ZERO	MAX CLIMB	
8	ACCEL	ZERO	MAX CLIMB	
9	CLIMB	ZERO	MAX CLIMB	
10	CLIMB	ZERO	MAX CLIMB	
11	CLIMB	ZERO	MAX CLIMB	

TAKEOFF PROFILE DATA (HEADWIND = 8 KT) 06-20-1991 10:40:33

AIRCRAFT ID NUMBER	AIRCRAFT AND ENGINE NAMES	AIRCRAFT CATEGORY
033	B767-200/JT9D-7R4D	JCOM

	DISTANCE FROM BRAKE RELEASE (FT)	HEIGHT (FT)	SPEED (KTAS)	THRUST (LB)
POINT 1	0	0	16	42561
POINT 2	4062	0	150	37288
POINT 3	8775	1000	152	38164
POINT 4	9441	1073	157	38038
POINT 5	12190	1349	179	37494
POINT 6	13190	1402	186	33324
POINT 7	17884	1647	219	32124
POINT 8	20960	1786	240	31502
POINT 9	28416	3000	245	32097
POINT 10	31343	3120	262	31604
POINT 11	47172	5500	271	32770
POINT 12	61410	7500	280	33750
POINT 13	80576	10000	291	0

THRUST FOR LEVEL FLIGHT	GRADIENT AT TAKE-OFF POWER	TAKE-OFF THRUST	GRADIENT AT CLIMB POWER
10368	0.212202	37726	0.169106

CLIMB THRUST	GRADIENT AT FAR36 CUTBACK	THRUST FOR ENGINE OUT LEVEL FLIGHT	VZF (KCAS)
34744	0.073499	20737	214

NUMBER OF ENGINES	RATED THRUST LB	AIRCRAFT WEIGHT (LB)	STAGE NUMBER
2	48000	263600	4

TAKEOFF SEGMENTS DATA (HEADWIND = 8 KT) 06-20-1991 10:41:44

AIRCRAFT ID NUMBER	AIRCRAFT AND ENGINE NAMES	AIRCRAFT CATEGORY
033	B767-200/JT9D-7R4D	JCOM

AIRCRAFT WEIGHT	STAGE NUMBER	NUMBER OF ENGINES
284600	5	2

SEG. NO.	TYPE	FLAP	START ALT (FT)	END ALT (FT)	CALIBRATED START SPEED (KCAS)	CALIBRATED END SPEED (KCAS)	SEG. LNGTH (FT)	THRST (LB)	R/C (FPM)	GRAD
1	TKOFF	15	0	0	16	156	4765	37058	0	0.00000
2	CLIMB	15	0	1000	156	156	5311	37496	2997	0.18827
3	ACCEL	15	1000	1077	156	161	797	37870	1499	0.09236
4	ACCEL	5	1077	1362	161	181	3189	37538	1499	0.08533
5	ACCEL	1	1362	1712	181	220	6907	32536	1000	0.04819
6	ACCEL	ZERO	1712	1874	220	240	3659	31644	1000	0.04185
7	CLIMB	ZERO	1874	3000	240	240	7755	31614	3660	0.14526
8	ACCEL	ZERO	3000	3087	240	250	2133	31739	1000	0.03856
9	CLIMB	ZERO	3087	5500	250	250	17831	32179	3653	0.13535
10	CLIMB	ZERO	5500	7500	250	250	15850	33260	3521	0.12618
11	CLIMB	ZERO	7500	10000	250	250	21377	34363	3379	0.11695

SEG. NO.	TYPE	FLAP	THRUST TYPE	VALUE
1	TKOFF	15	MAX TKOFF	
2	CLIMB	15	MAX TKOFF	
3	ACCEL	15	MAX TKOFF	
4	ACCEL	5	MAX TKOFF	
5	ACCEL	1	MAX CLIMB	
6	ACCEL	ZERO	MAX CLIMB	
7	CLIMB	ZERO	MAX CLIMB	
8	ACCEL	ZERO	MAX CLIMB	
9	CLIMB	ZERO	MAX CLIMB	
10	CLIMB	ZERO	MAX CLIMB	
11	CLIMB	ZERO	MAX CLIMB	

TAKEOFF PROFILE DATA (HEADWIND = 8 KT) 06-20-1991 10:41:49

AIRCRAFT ID NUMBER	AIRCRAFT AND ENGINE NAMES	AIRCRAFT CATEGORY
033	B767-200/JT9D-7R4D	JCOM

	DISTANCE FROM BRAKE RELEASE (FT)	HEIGHT (FT)	SPEED (KTAS)	THRUST (LB)
POINT 1	0	0	16	42561
POINT 2	4765	0	156	37058
POINT 3	10076	1000	158	37934
POINT 4	10873	1077	164	37806
POINT 5	14062	1362	185	37270
POINT 6	15062	1413	191	33123
POINT 7	20969	1712	226	31949
POINT 8	24628	1874	247	31338
POINT 9	32383	3000	251	31890
POINT 10	34516	3087	262	31587
POINT 11	52347	5500	271	32770
POINT 12	68197	7500	280	33750
POINT 13	89574	10000	291	0

THRUST FOR LEVEL FLIGHT	GRADIENT AT TAKE-OFF POWER	TAKE-OFF THRUST	GRADIENT AT CLIMB POWER
11194	0.188272	37496	0.149120

CLIMB THRUST	GRADIENT AT FAR36 CUTBACK	THRUST FOR ENGINE OUT LEVEL FLIGHT	VZF (KCAS)
34542	0.073499	22389	220

NUMBER OF ENGINES	RATED THRUST LB	AIRCRAFT WEIGHT (LB)	STAGE NUMBER
2	48000	284600	5

TAKEOFF SEGMENTS DATA (HEADWIND = 8 KT) 06-20-1991 10:43:26

AIRCRAFT ID NUMBER	AIRCRAFT AND ENGINE NAMES	AIRCRAFT CATEGORY
033	B767-200/JT9D-7R4D	JCOM

AIRCRAFT WEIGHT	STAGE NUMBER	NUMBER OF ENGINES
306900	6	2

SEG. NO.	TYPE	FLAP	START ALT (FT)	END ALT (FT)	CALIBRATED START SPEED (KCAS)	CALIBRATED END SPEED (KCAS)	SEG. LNGTH (FT)	THRST (LB)	R/C (FPM)	GRAD
1	TKOFF	15	0	0	16	162	5576	36822	0	0.00000
2	CLIMB	15	0	1000	162	162	5996	37260	2757	0.16678
3	ACCEL	15	1000	1080	162	167	931	37635	1379	0.08179
4	ACCEL	5	1080	1375	167	187	3706	37309	1379	0.07577
5	ACCEL	1	1375	1791	187	226	8468	32351	1000	0.04676
6	ACCEL	ZERO	1791	1979	226	246	4384	31482	1000	0.04073
7	CLIMB	ZERO	1979	3000	246	246	7892	31433	3345	0.12942
8	ACCEL	ZERO	3000	3040	246	250	1002	31624	1000	0.03811
9	CLIMB	ZERO	3040	5500	250	250	20200	32167	3285	0.12178
10	CLIMB	ZERO	5500	7500	250	250	17664	33260	3160	0.11322
11	CLIMB	ZERO	7500	10000	250	250	23879	34363	3025	0.10469

SEG. NO.	TYPE	FLAP	THRUST TYPE	VALUE
1	TKOFF	15	MAX TKOFF	
2	CLIMB	15	MAX TKOFF	
3	ACCEL	15	MAX TKOFF	
4	ACCEL	5	MAX TKOFF	
5	ACCEL	1	MAX CLIMB	
6	ACCEL	ZERO	MAX CLIMB	
7	CLIMB	ZERO	MAX CLIMB	
8	ACCEL	ZERO	MAX CLIMB	
9	CLIMB	ZERO	MAX CLIMB	
10	CLIMB	ZERO	MAX CLIMB	
11	CLIMB	ZERO	MAX CLIMB	

TAKEOFF PROFILE DATA (HEADWIND = 8 KT) 06-20-1991 10:43:30

AIRCRAFT ID NUMBER	AIRCRAFT AND ENGINE NAMES	AIRCRAFT CATEGORY
033	B767-200/JT9D-7R4D	JCOM

	DISTANCE FROM BRAKE RELEASE (FT)	HEIGHT (FT)	SPEED (KTAS)	THRUST (LB)
POINT 1	0	0	16	42561
POINT 2	5576	0	162	36822
POINT 3	11572	1000	164	37698
POINT 4	12503	1080	170	37573
POINT 5	16209	1375	191	37045
POINT 6	17209	1424	196	32922
POINT 7	24677	1791	232	31781
POINT 8	29060	1979	253	31183
POINT 9	36952	3000	257	31683
POINT 10	37954	3040	261	31565
POINT 11	58154	5500	271	32770
POINT 12	75818	7500	280	33750
POINT 13	99697	10000	291	0

THRUST FOR LEVEL FLIGHT	GRADIENT AT TAKE-OFF POWER	TAKE-OFF THRUST	GRADIENT AT CLIMB POWER
12072	0.166777	37260	0.131093

CLIMB THRUST	GRADIENT AT FAR36 CUTBACK	THRUST FOR ENGINE OUT LEVEL FLIGHT	VZF (KCAS)
34335	0.073499	24143	226

NUMBER OF ENGINES	RATED THRUST LB	AIRCRAFT WEIGHT (LB)	STAGE NUMBER
2	48000	306900	6

TAKEOFF SEGMENTS DATA (HEADWIND = 8 KT) 06-20-1991 10:45:04

AIRCRAFT ID NUMBER	AIRCRAFT AND ENGINE NAMES	AIRCRAFT CATEGORY
033	B767-200/JT9D-7R4D	JCOM

AIRCRAFT WEIGHT	STAGE NUMBER	NUMBER OF ENGINES
317100	7	2

SEG. NO.	TYPE	FLAP	START ALT (FT)	END ALT (FT)	CALIBRATED START SPEED (KCAS)	CALIBRATED END SPEED (KCAS)	SEG. LNGTH (FT)	THRST (LB)	R/C (FPM)	GRAD
1	TKOFF	15	0	0	16	165	5970	36717	0	0.00000
2	CLIMB	15	0	1000	165	165	6328	37155	2656	0.15804
3	ACCEL	15	1000	1086	165	170	1064	37527	1328	0.07740
4	ACCEL	5	1086	1385	170	190	3966	37199	1328	0.07172
5	ACCEL	1	1385	1825	190	228	9056	32276	1000	0.04618
6	ACCEL	ZERO	1825	2026	228	248	4743	31432	1000	0.04036
7	CLIMB	ZERO	2026	3000	248	248	7912	31375	3208	0.12309
8	ACCEL	ZERO	3000	3021	248	250	538	31585	1000	0.03796
9	CLIMB	ZERO	3021	5500	250	250	21327	32163	3135	0.11622
10	CLIMB	ZERO	5500	7500	250	250	18533	33260	3012	0.10792
11	CLIMB	ZERO	7500	10000	250	250	25081	34363	2880	0.09968

SEG. NO.	TYPE	FLAP	THRUST TYPE	VALUE
1	TKOFF	15	MAX TKOFF	
2	CLIMB	15	MAX TKOFF	
3	ACCEL	15	MAX TKOFF	
4	ACCEL	5	MAX TKOFF	
5	ACCEL	1	MAX CLIMB	
6	ACCEL	ZERO	MAX CLIMB	
7	CLIMB	ZERO	MAX CLIMB	
8	ACCEL	ZERO	MAX CLIMB	
9	CLIMB	ZERO	MAX CLIMB	
10	CLIMB	ZERO	MAX CLIMB	
11	CLIMB	ZERO	MAX CLIMB	

TAKEOFF PROFILE DATA (HEADWIND = 8 KT) 06-20-1991 10:45:13

AIRCRAFT ID NUMBER	AIRCRAFT AND ENGINE NAMES	AIRCRAFT CATEGORY
033	B767-200/JT9D-7R4D	JCOM

	DISTANCE FROM BRAKE RELEASE (FT)	HEIGHT (FT)	SPEED (KTAS)	THRUST (LB)
POINT 1	0	0	16	42561
POINT 2	5970	0	165	36717
POINT 3	12298	1000	167	37593
POINT 4	13362	1086	173	37461
POINT 5	17328	1385	194	36936
POINT 6	18328	1434	198	32824
POINT 7	26384	1825	234	31728
POINT 8	31126	2026	256	31137
POINT 9	39038	3000	259	31614
POINT 10	39576	3021	261	31556
POINT 11	60903	5500	271	32770
POINT 12	79436	7500	280	33750
POINT 13	104516	10000	291	0

THRUST FOR LEVEL FLIGHT	GRADIENT AT TAKE-OFF POWER	TAKE-OFF THRUST	GRADIENT AT CLIMB POWER
12473	0.158038	37155	0.123745

CLIMB THRUST	GRADIENT AT FAR36 CUTBACK	THRUST FOR ENGINE OUT LEVEL FLIGHT	VZF (KCAS)
34243	0.073499	24946	228

NUMBER OF ENGINES	RATED THRUST LB	AIRCRAFT WEIGHT (LB)	STAGE NUMBER
2	48000	317100	7

APPROACH PROFILE DATA (HEADWIND = 8 KT) 02-15-1992 13:03:02

AIRCRAFT ID NUMBER	AIRCRAFT AND ENGINE NAMES	AIRCRAFT CATEGORY
033	B767-200/JT9D-7R4D	JCOM

	DISTANCE FROM RW THRESHOLD (FT)	HEIGHT (FT)	SPEED (KTAS)	THRUST (LB)	FLAPS
POINT 1	113533	6000	273	180	ZERO
POINT 2	56289	3000	176	2669	5
POINT 3	27668	1500	146	7401	D 25
POINT 4	18127	1000	141	9446	D 30
POINT 5	-954	0	138	9111	D 30
POINT 6	-1286	0	131	28800	
POINT 7	-4270	0	30	4800	

NUMBER OF ENGINES	RATED THRUST LB	AIRCRAFT WEIGHT (LB)	GLIDE SLOPE
2	48000	243000	3.00

TAKEOFF SEGMENTS DATA (HEADWIND = 8 KT) 06-10-1991 16:52:06

AIRCRAFT ID NUMBER	AIRCRAFT AND ENGINE NAMES	AIRCRAFT CATEGORY
034	A310-300/CF6-80C2A2	JCOM

AIRCRAFT WEIGHT	STAGE NUMBER	NUMBER OF ENGINES
232000	1	2

SEG. NO.	TYPE	FLAP	START ALT (FT)	END ALT (FT)	CALIBRATED START SPEED (KCAS)	CALIBRATED END SPEED (KCAS)	SEG. LNGTH (FT)	THRST (LB)	R/C (FPM)	GRAD
1	TKOFF	15	0	0	16	151	3067	42123	0	0.00000
2	CLIMB	15	0	1000	151	151	3637	42768	4230	0.27493
3	ACCEL	15	1000	1630	151	171	3526	43295	2820	0.17220
4	ACCEL	1	1630	1920	171	191	2451	42880	2115	0.11312
5	ACCEL	ZERO	1920	2017	191	211	1944	37085	1000	0.04778
6	CLIMB	ZERO	2017	3000	211	211	4389	37219	4965	0.22388
7	ACCEL	ZERO	3000	3201	211	250	4663	36983	1000	0.04095
8	CLIMB	ZERO	3201	5500	250	250	11200	37358	5545	0.20528
9	CLIMB	ZERO	5500	7500	250	250	10163	39264	5492	0.19680
10	CLIMB	ZERO	7500	10000	250	250	13453	41021	5370	0.18584

SEG. NO.	TYPE	FLAP	THRUST TYPE	VALUE
1	TKOFF	15	MAX TKOFF	
2	CLIMB	15	MAX TKOFF	
3	ACCEL	15	MAX TKOFF	
4	ACCEL	1	MAX TKOFF	
5	ACCEL	ZERO	MAX CLIMB	
6	CLIMB	ZERO	MAX CLIMB	
7	ACCEL	ZERO	MAX CLIMB	
8	CLIMB	ZERO	MAX CLIMB	
9	CLIMB	ZERO	MAX CLIMB	
10	CLIMB	ZERO	MAX CLIMB	

TAKEOFF PROFILE DATA (HEADWIND = 8 KT) 06-10-1991 16:52:19

AIRCRAFT ID NUMBER	AIRCRAFT AND ENGINE NAMES	AIRCRAFT CATEGORY
034	A310-300/CF6-80C2A2	JCOM

	DISTANCE FROM BRAKE RELEASE (FT)	HEIGHT (FT)	SPEED (KTAS)	THRUST (LB)
POINT 1	0	0	16	48681
POINT 2	3067	0	151	42123
POINT 3	6705	1000	153	43399
POINT 4	10230	1630	175	43192
POINT 5	12681	1920	196	42569
POINT 6	13681	1970	207	37462
POINT 7	14625	2017	217	36709
POINT 8	19014	3000	221	37717
POINT 9	23677	3201	262	36248
POINT 10	34877	5500	271	38405
POINT 11	45040	7500	280	40075
POINT 12	58492	10000	291	0

THRUST FOR LEVEL FLIGHT	GRADIENT AT TAKE-OFF POWER	TAKE-OFF THRUST	GRADIENT AT CLIMB POWER
12026	0.274928	42768	0.220854

CLIMB THRUST	GRADIENT AT FAR36 CUTBACK	THRUST FOR ENGINE OUT LEVEL FLIGHT	VZF (KCAS)
39786	0.097057	24053	211

NUMBER OF ENGINES	RATED THRUST LB	AIRCRAFT WEIGHT (LB)	STAGE NUMBER
2	53500	232000	1

TAKEOFF SEGMENTS DATA (HEADWIND = 8 KT) 06-10-1991 16:54:16

AIRCRAFT ID NUMBER	AIRCRAFT AND ENGINE NAMES	AIRCRAFT CATEGORY
034	A310-300/CF6-80C2A2	JCOM

AIRCRAFT WEIGHT	STAGE NUMBER	NUMBER OF ENGINES
246000	2	2

SEG. NO.	TYPE	FLAP	START ALT (FT)	END ALT (FT)	CALIBRATED START SPEED (KCAS)	CALIBRATED END SPEED (KCAS)	SEG. LNGTH (FT)	THRST (LB)	R/C (FPM)	GRAD
1	TKOFF	15	0	0	16	155	3467	41905	0	0.00000
2	CLIMB	15	0	1000	155	155	4000	42550	3961	0.24998
3	ACCEL	15	1000	1629	155	175	3856	43088	2641	0.15674
4	ACCEL	1	1629	1927	175	195	2748	42689	1981	0.10355
5	ACCEL	ZERO	1927	2034	195	215	2190	36927	1000	0.04684
6	CLIMB	ZERO	2034	3000	215	215	4696	37056	4647	0.20563
7	ACCEL	ZERO	3000	3199	215	250	4653	36896	1000	0.04060
8	CLIMB	ZERO	3199	5500	250	250	12140	37357	5120	0.18956
9	CLIMB	ZERO	5500	7500	250	250	11011	39264	5069	0.18163
10	CLIMB	ZERO	7500	10000	250	250	14588	41021	4952	0.17137

SEG. NO.	TYPE	FLAP	THRUST TYPE	VALUE
1	TKOFF	15	MAX TKOFF	
2	CLIMB	15	MAX TKOFF	
3	ACCEL	15	MAX TKOFF	
4	ACCEL	1	MAX TKOFF	
5	ACCEL	ZERO	MAX CLIMB	
6	CLIMB	ZERO	MAX CLIMB	
7	ACCEL	ZERO	MAX CLIMB	
8	CLIMB	ZERO	MAX CLIMB	
9	CLIMB	ZERO	MAX CLIMB	
10	CLIMB	ZERO	MAX CLIMB	

TAKEOFF PROFILE DATA (HEADWIND = 8 KT) 06-10-1991 16:54:23

AIRCRAFT ID NUMBER	AIRCRAFT AND ENGINE NAMES	AIRCRAFT CATEGORY
034	A310-300/CF6-80C2A2	JCOM

	DISTANCE FROM BRAKE RELEASE (FT)	HEIGHT (FT)	SPEED (KTAS)	THRUST (LB)
POINT 1	0	0	16	48681
POINT 2	3467	0	155	41905
POINT 3	7467	1000	158	43180
POINT 4	11323	1629	179	42996
POINT 5	14071	1927	201	42382
POINT 6	15071	1976	210	37298
POINT 7	16261	2034	222	36555
POINT 8	20957	3000	225	37546
POINT 9	25610	3199	262	36246
POINT 10	37750	5500	271	38405
POINT 11	48761	7500	280	40075
POINT 12	63349	10000	291	0

THRUST FOR LEVEL FLIGHT	GRADIENT AT TAKE-OFF POWER	TAKE-OFF THRUST	GRADIENT AT CLIMB POWER
12752	0.249982	42550	0.200108

CLIMB THRUST	GRADIENT AT FAR36 CUTBACK	THRUST FOR ENGINE OUT LEVEL FLIGHT	VZF (KCAS)
39594	0.097057	25504	215

NUMBER OF ENGINES	RATED THRUST LB	AIRCRAFT WEIGHT (LB)	STAGE NUMBER
2	53500	246000	2

TAKEOFF SEGMENTS DATA (HEADWIND = 8 KT) 06-10-1991 16:56:25

AIRCRAFT ID NUMBER	AIRCRAFT AND ENGINE NAMES	AIRCRAFT CATEGORY
034	A310-300/CF6-80C2A2	JCOM

AIRCRAFT WEIGHT	STAGE NUMBER	NUMBER OF ENGINES
261000	3	2

SEG. NO.	TYPE	FLAP	START ALT (FT)	END ALT (FT)	CALIBRATED START SPEED (KCAS)	CALIBRATED END SPEED (KCAS)	SEG. LNGTH (FT)	THRST (LB)	R/C (FPM)	GRAD
1	TKOFF	15	0	0	16	160	3924	41678	0	0.00000
2	CLIMB	15	0	1000	160	160	4411	42323	3699	0.22668
3	ACCEL	15	1000	1653	160	180	4416	42868	2466	0.14186
4	ACCEL	1	1653	1959	180	200	3110	42480	1850	0.09403
5	ACCEL	ZERO	1959	2079	200	220	2493	36753	1000	0.04569
6	CLIMB	ZERO	2079	3000	220	220	4893	36865	4353	0.18818
7	ACCEL	ZERO	3000	3189	220	250	4466	36784	1000	0.04017
8	CLIMB	ZERO	3189	5500	250	250	13228	37352	4719	0.17473
9	CLIMB	ZERO	5500	7500	250	250	11955	39264	4669	0.16730
10	CLIMB	ZERO	7500	10000	250	250	15853	41021	4556	0.15770

SEG. NO.	TYPE	FLAP	THRUST TYPE	VALUE
1	TKOFF	15	MAX TKOFF	
2	CLIMB	15	MAX TKOFF	
3	ACCEL	15	MAX TKOFF	
4	ACCEL	1	MAX TKOFF	
5	ACCEL	ZERO	MAX CLIMB	
6	CLIMB	ZERO	MAX CLIMB	
7	ACCEL	ZERO	MAX CLIMB	
8	CLIMB	ZERO	MAX CLIMB	
9	CLIMB	ZERO	MAX CLIMB	
10	CLIMB	ZERO	MAX CLIMB	

TAKEOFF PROFILE DATA (HEADWIND = 8 KT) 06-10-1991 16:56:32

AIRCRAFT ID NUMBER	AIRCRAFT AND ENGINE NAMES	AIRCRAFT CATEGORY
034	A310-300/CF6-80C2A2	JCOM

	DISTANCE FROM BRAKE RELEASE (FT)	HEIGHT (FT)	SPEED (KTAS)	THRUST (LB)
POINT 1	0	0	16	48681
POINT 2	3924	0	160	41678
POINT 3	8335	1000	162	42954
POINT 4	12751	1653	184	42782
POINT 5	15862	1959	206	42178
POINT 6	16862	2007	214	37119
POINT 7	18355	2079	227	36388
POINT 8	23248	3000	230	37332
POINT 9	27714	3189	262	36236
POINT 10	40942	5500	271	38405
POINT 11	52896	7500	280	40075
POINT 12	68750	10000	291	0

THRUST FOR LEVEL FLIGHT	GRADIENT AT TAKE-OFF POWER	TAKE-OFF THRUST	GRADIENT AT CLIMB POWER
13530	0.226682	42323	0.180624

CLIMB THRUST	GRADIENT AT FAR36 CUTBACK	THRUST FOR ENGINE OUT LEVEL FLIGHT	VZF (KCAS)
39394	0.097057	27059	220

NUMBER OF ENGINES	RATED THRUST LB	AIRCRAFT WEIGHT (LB)	STAGE NUMBER
2	53500	261000	3

TAKEOFF SEGMENTS DATA (HEADWIND = 8 KT) 06-10-1991 16:58:41

AIRCRAFT ID NUMBER	AIRCRAFT AND ENGINE NAMES	AIRCRAFT CATEGORY
034	A310-300/CF6-80C2A2	JCOM

AIRCRAFT WEIGHT	STAGE NUMBER	NUMBER OF ENGINES
276000	4	2

SEG. NO.	TYPE	FLAP	START ALT (FT)	END ALT (FT)	CALIBRATED START SPEED (KCAS)	CALIBRATED END SPEED (KCAS)	SEG. LNGTH (FT)	THRST (LB)	R/C (FPM)	GRAD
1	TKOFF	15	0	0	16	164	4411	41458	0	0.00000
2	CLIMB	15	0	1000	164	164	4848	42102	3461	0.20626
3	ACCEL	15	1000	1652	164	184	4833	42660	2307	0.12925
4	ACCEL	1	1652	1968	184	204	3494	42290	1731	0.08610
5	ACCEL	ZERO	1968	2100	204	224	2815	36598	1000	0.04483
6	CLIMB	ZERO	2100	3000	224	224	5198	36705	4077	0.17308
7	ACCEL	ZERO	3000	3181	224	250	4316	36694	1000	0.03983
8	CLIMB	ZERO	3181	5500	250	250	14351	37349	4364	0.16160
9	CLIMB	ZERO	5500	7500	250	250	12936	39264	4315	0.15460
10	CLIMB	ZERO	7500	10000	250	250	17173	41021	4206	0.14558

SEG. NO.	TYPE	FLAP	THRUST TYPE	VALUE
1	TKOFF	15	MAX TKOFF	
2	CLIMB	15	MAX TKOFF	
3	ACCEL	15	MAX TKOFF	
4	ACCEL	1	MAX TKOFF	
5	ACCEL	ZERO	MAX CLIMB	
6	CLIMB	ZERO	MAX CLIMB	
7	ACCEL	ZERO	MAX CLIMB	
8	CLIMB	ZERO	MAX CLIMB	
9	CLIMB	ZERO	MAX CLIMB	
10	CLIMB	ZERO	MAX CLIMB	

TAKEOFF PROFILE DATA (HEADWIND = 8 KT) 06-10-1991 16:58:49

AIRCRAFT ID NUMBER	AIRCRAFT AND ENGINE NAMES	AIRCRAFT CATEGORY
034	A310-300/CF6-80C2A2	JCOM

	DISTANCE FROM BRAKE RELEASE (FT)	HEIGHT (FT)	SPEED (KTAS)	THRUST (LB)
POINT 1	0	0	16	48681
POINT 2	4411	0	164	41458
POINT 3	9259	1000	167	42733
POINT 4	14092	1652	189	42586
POINT 5	17586	1968	210	41993
POINT 6	18586	2015	217	36956
POINT 7	20401	2100	231	36239
POINT 8	25599	3000	234	37161
POINT 9	29915	3181	262	36228
POINT 10	44266	5500	271	38405
POINT 11	57202	7500	280	40075
POINT 12	74375	10000	291	0

THRUST FOR LEVEL FLIGHT	GRADIENT AT TAKE-OFF POWER	TAKE-OFF THRUST	GRADIENT AT CLIMB POWER
14307	0.206257	42102	0.163463

CLIMB THRUST	GRADIENT AT FAR36 CUTBACK	THRUST FOR ENGINE OUT LEVEL FLIGHT	VZF (KCAS)
39200	0.097057	28614	224

NUMBER OF ENGINES	RATED THRUST LB	AIRCRAFT WEIGHT (LB)	STAGE NUMBER
2	53500	276000	4

TAKEOFF SEGMENTS DATA (HEADWIND = 8 KT) 06-10-1991 17:02:34

AIRCRAFT ID NUMBER	AIRCRAFT AND ENGINE NAMES	AIRCRAFT CATEGORY
034	A310-300/CF6-80C2A2	JCOM

AIRCRAFT WEIGHT	STAGE NUMBER	NUMBER OF ENGINES
302000	5	2

SEG. NO.	TYPE	FLAP	START ALT (FT)	END ALT (FT)	CALIBRATED START SPEED (KCAS)	CALIBRATED END SPEED (KCAS)	SEG. LNGTH (FT)	THRST (LB)	R/C (FPM)	GRAD
1	TKOFF	15	0	0	16	172	5328	41089	0	0.00000
2	CLIMB	15	0	1000	172	172	5675	41734	3093	0.17620
3	ACCEL	15	1000	1697	172	192	6036	42308	2062	0.11030
4	ACCEL	1	1697	2028	192	212	4283	41964	1547	0.07377
5	ACCEL	ZERO	2028	2187	212	232	3489	36332	1000	0.04316
6	CLIMB	ZERO	2187	3000	232	232	5410	36406	3670	0.15035
7	ACCEL	ZERO	3000	3149	232	250	3608	36507	1000	0.03918
8	CLIMB	ZERO	3149	5500	250	250	16546	37334	3837	0.14211
9	CLIMB	ZERO	5500	7500	250	250	14736	39264	3788	0.13573
10	CLIMB	ZERO	7500	10000	250	250	19602	41021	3685	0.12754

SEG. NO.	TYPE	FLAP	THRUST TYPE	VALUE
1	TKOFF	15	MAX TKOFF	
2	CLIMB	15	MAX TKOFF	
3	ACCEL	15	MAX TKOFF	
4	ACCEL	1	MAX TKOFF	
5	ACCEL	ZERO	MAX CLIMB	
6	CLIMB	ZERO	MAX CLIMB	
7	ACCEL	ZERO	MAX CLIMB	
8	CLIMB	ZERO	MAX CLIMB	
9	CLIMB	ZERO	MAX CLIMB	
10	CLIMB	ZERO	MAX CLIMB	

TAKEOFF PROFILE DATA (HEADWIND = 8 KT) 06-10-1991 17:02:41

AIRCRAFT ID NUMBER	AIRCRAFT AND ENGINE NAMES	AIRCRAFT CATEGORY
034	A310-300/CF6-80C2A2	JCOM

	DISTANCE FROM BRAKE RELEASE (FT)	HEIGHT (FT)	SPEED (KTAS)	THRUST (LB)
POINT 1	0	0	16	48681
POINT 2	5328	0	172	41089
POINT 3	11004	1000	175	42365
POINT 4	17040	1697	197	42251
POINT 5	21323	2028	218	41677
POINT 6	22323	2074	224	36677
POINT 7	24812	2187	240	35987
POINT 8	30222	3000	243	36818
POINT 9	33830	3149	262	36196
POINT 10	50376	5500	271	38405
POINT 11	65111	7500	280	40075
POINT 12	84713	10000	291	0

THRUST FOR LEVEL FLIGHT	GRADIENT AT TAKE-OFF POWER	TAKE-OFF THRUST	GRADIENT AT CLIMB POWER
15655	0.176203	41734	0.138088

CLIMB THRUST	GRADIENT AT FAR36 CUTBACK	THRUST FOR ENGINE OUT LEVEL FLIGHT	VZF (KCAS)
38876	0.097057	31310	232

NUMBER OF ENGINES	RATED THRUST LB	AIRCRAFT WEIGHT (LB)	STAGE NUMBER
2	53500	302000	5

TAKEOFF SEGMENTS DATA (HEADWIND = 8 KT) 06-10-1991 17:05:14

AIRCRAFT ID NUMBER	AIRCRAFT AND ENGINE NAMES	AIRCRAFT CATEGORY
034	A310-300/CF6-80C2A2	JCOM

AIRCRAFT WEIGHT	STAGE NUMBER	NUMBER OF ENGINES
327000	6	2

SEG. NO.	TYPE	FLAP	START ALT (FT)	END ALT (FT)	CALIBRATED START SPEED (KCAS)	CALIBRATED END SPEED (KCAS)	SEG. LNGTH (FT)	THRST (LB)	R/C (FPM)	GRAD
1	TKOFF	15	0	0	16	179	6299	40750	0	0.00000
2	CLIMB	15	0	1000	179	179	6568	41394	2781	0.15224
3	ACCEL	15	1000	1729	179	199	7297	41987	1854	0.09534
4	ACCEL	1	1729	2077	199	219	5172	41672	1391	0.06403
5	ACCEL	ZERO	2077	2264	219	239	4264	36098	1000	0.04180
6	CLIMB	ZERO	2264	3000	239	239	5563	36146	3328	0.13224
7	ACCEL	ZERO	3000	3107	239	250	2635	36337	1000	0.03863
8	CLIMB	ZERO	3107	5500	250	250	18929	37314	3412	0.12642
9	CLIMB	ZERO	5500	7500	250	250	16596	39264	3363	0.12051
10	CLIMB	ZERO	7500	10000	250	250	22126	41021	3265	0.11299

SEG. NO.	TYPE	FLAP	THRUST TYPE	VALUE
1	TKOFF	15	MAX TKOFF	
2	CLIMB	15	MAX TKOFF	
3	ACCEL	15	MAX TKOFF	
4	ACCEL	1	MAX TKOFF	
5	ACCEL	ZERO	MAX CLIMB	
6	CLIMB	ZERO	MAX CLIMB	
7	ACCEL	ZERO	MAX CLIMB	
8	CLIMB	ZERO	MAX CLIMB	
9	CLIMB	ZERO	MAX CLIMB	
10	CLIMB	ZERO	MAX CLIMB	

TAKEOFF PROFILE DATA (HEADWIND = 8 KT) 06-10-1991 17:05:20

AIRCRAFT ID NUMBER	AIRCRAFT AND ENGINE NAMES	AIRCRAFT CATEGORY
034	A310-300/CF6-80C2A2	JCOM

	DISTANCE FROM BRAKE RELEASE (FT)	HEIGHT (FT)	SPEED (KTAS)	THRUST (LB)
POINT 1	0	0	16	48681
POINT 2	6299	0	179	40750
POINT 3	12867	1000	182	42025
POINT 4	20165	1729	204	41950
POINT 5	25337	2077	226	41394
POINT 6	26337	2121	231	36429
POINT 7	29601	2264	247	35768
POINT 8	35164	3000	250	36519
POINT 9	37799	3107	262	36155
POINT 10	56728	5500	271	38405
POINT 11	73325	7500	280	40075
POINT 12	95451	10000	291	0

THRUST FOR LEVEL FLIGHT	GRADIENT AT TAKE-OFF POWER	TAKE-OFF THRUST	GRADIENT AT CLIMB POWER
16951	0.152244	41394	0.117762

CLIMB THRUST	GRADIENT AT FAR36 CUTBACK	THRUST FOR ENGINE OUT LEVEL FLIGHT	VZF (KCAS)
38577	0.097057	33902	239

NUMBER OF ENGINES	RATED THRUST LB	AIRCRAFT WEIGHT (LB)	STAGE NUMBER
2	53500	327000	6

APPROACH PROFILE DATA (HEADWIND = 8 KT) 02-15-1992 15:38:29

AIRCRAFT ID NUMBER	AIRCRAFT AND ENGINE NAMES	AIRCRAFT CATEGORY
034	A310-300/CF6-80C2A2	JCOM

	DISTANCE FROM RW THRESHOLD (FT)	HEIGHT (FT)	SPEED (KTAS)	THRUST (LB)	FLAPS
POINT 1	113533	6000	273	1838	ZERO
POINT 2	56289	3000	169	6450	1
POINT 3	27668	1500	155	6222	D 20
POINT 4	18127	1000	144	9185	D 40
POINT 5	-954	0	141	8859	D 40
POINT 6	-1298	0	134	32100	
POINT 7	-4392	0	30	5350	

NUMBER OF ENGINES	RATED THRUST LB	AIRCRAFT WEIGHT (LB)	GLIDE SLOPE
2	53500	244100	3.00

TAKEOFF SEGMENTS DATA (HEADWIND = 8 KT) 06-20-1991 09:08:13

AIRCRAFT ID NUMBER	AIRCRAFT AND ENGINE NAMES	AIRCRAFT CATEGORY
035	B737-300/CFM56-3B-1	JCOM

AIRCRAFT WEIGHT	STAGE NUMBER	NUMBER OF ENGINES
96000	1	2

SEG. NO.	TYPE	FLAP	START ALT (FT)	END ALT (FT)	CALIBRATED START SPEED (KCAS)	CALIBRATED END SPEED (KCAS)	SEG. LNGTH (FT)	THRST (LB)	R/C (FPM)	GRAD
1	TKOFF	5	0	0	16	148	3506	15770	0	0.00000
2	CLIMB	5	0	1000	148	148	3870	15972	3898	0.25841
3	ACCEL	5	1000	1297	148	168	2357	16032	1949	0.12068
4	ACCEL	1	1297	1604	168	190	2766	15730	1949	0.10583
5	ACCEL	ZERO	1604	1711	190	210	2121	14242	1000	0.04824
6	CLIMB	ZERO	1711	3000	210	210	6358	14178	4463	0.20270
7	ACCEL	ZERO	3000	3239	210	250	5540	13950	1000	0.04103
8	CLIMB	ZERO	3239	5500	250	250	12815	13798	4767	0.17643
9	CLIMB	ZERO	5500	7500	250	250	12261	14130	4552	0.16312
10	CLIMB	ZERO	7500	10000	250	250	16715	14480	4322	0.14957

SEG. NO.	TYPE	FLAP	THRUST TYPE	VALUE
1	TKOFF	5	MAX TKOFF	
2	CLIMB	5	MAX TKOFF	
3	ACCEL	5	MAX TKOFF	
4	ACCEL	1	MAX TKOFF	
5	ACCEL	ZERO	MAX CLIMB	
6	CLIMB	ZERO	MAX CLIMB	
7	ACCEL	ZERO	MAX CLIMB	
8	CLIMB	ZERO	MAX CLIMB	
9	CLIMB	ZERO	MAX CLIMB	
10	CLIMB	ZERO	MAX CLIMB	

TAKEOFF PROFILE DATA (HEADWIND = 8 KT) 06-20-1991 09:08:17

AIRCRAFT ID NUMBER	AIRCRAFT AND ENGINE NAMES	AIRCRAFT CATEGORY
035	B737-300/CFM56-3B-1	JCOM

	DISTANCE FROM BRAKE RELEASE (FT)	HEIGHT (FT)	SPEED (KTAS)	THRUST (LB)
POINT 1	0	0	16	18423
POINT 2	3506	0	148	15770
POINT 3	7376	1000	150	16174
POINT 4	9733	1297	171	15889
POINT 5	12499	1604	195	15571
POINT 6	13499	1654	204	14407
POINT 7	14620	1711	215	14077
POINT 8	20978	3000	220	14278
POINT 9	26519	3239	262	13622
POINT 10	39334	5500	271	13974
POINT 11	51595	7500	280	14286
POINT 12	68310	10000	291	0

THRUST FOR LEVEL FLIGHT	GRADIENT AT TAKE-OFF POWER	TAKE-OFF THRUST	GRADIENT AT CLIMB POWER
3951	0.258405	15972	0.218642

CLIMB THRUST	GRADIENT AT FAR36 CUTBACK	THRUST FOR ENGINE OUT LEVEL FLIGHT	VZF (KCAS)
15276	0.076922	7902	210

NUMBER OF ENGINES	RATED THRUST LB	AIRCRAFT WEIGHT (LB)	STAGE NUMBER
2	20000	96000	1

TAKEOFF SEGMENTS DATA (HEADWIND = 8 KT) 06-20-1991 09:09:23

AIRCRAFT ID NUMBER	AIRCRAFT AND ENGINE NAMES	AIRCRAFT CATEGORY
035	B737-300/CFM56-3B-1	JCOM

AIRCRAFT WEIGHT	STAGE NUMBER	NUMBER OF ENGINES
102000	2	2

SEG. NO.	TYPE	FLAP	START ALT (FT)	END ALT (FT)	CALIBRATED START SPEED (KCAS)	CALIBRATED END SPEED (KCAS)	SEG. LNGTH (FT)	THRST (LB)	R/C (FPM)	GRAD
1	TKOFF	5	0	0	16	152	3981	15679	0	0.00000
2	CLIMB	5	0	1000	152	152	4251	15881	3658	0.23524
3	ACCEL	5	1000	1297	152	172	2573	15946	1829	0.11014
4	ACCEL	1	1297	1555	172	190	2512	15680	1829	0.09818
5	ACCEL	ZERO	1555	1674	190	210	2346	14235	1000	0.04827
6	CLIMB	ZERO	1674	3000	210	210	7099	14175	4112	0.18680
7	ACCEL	ZERO	3000	3266	210	250	6159	13952	1000	0.04102
8	CLIMB	ZERO	3266	5500	250	250	13786	13800	4380	0.16207
9	CLIMB	ZERO	5500	7500	250	250	13360	14130	4178	0.14970
10	CLIMB	ZERO	7500	10000	250	250	18245	14480	3959	0.13703

SEG. NO.	TYPE	FLAP	THRUST TYPE	VALUE
1	TKOFF	5	MAX TKOFF	
2	CLIMB	5	MAX TKOFF	
3	ACCEL	5	MAX TKOFF	
4	ACCEL	1	MAX TKOFF	
5	ACCEL	ZERO	MAX CLIMB	
6	CLIMB	ZERO	MAX CLIMB	
7	ACCEL	ZERO	MAX CLIMB	
8	CLIMB	ZERO	MAX CLIMB	
9	CLIMB	ZERO	MAX CLIMB	
10	CLIMB	ZERO	MAX CLIMB	

TAKEOFF PROFILE DATA (HEADWIND = 8 KT) 06-20-1991 09:09:30

AIRCRAFT ID NUMBER	AIRCRAFT AND ENGINE NAMES	AIRCRAFT CATEGORY
035	B737-300/CFM56-3B-1	JCOM

	DISTANCE FROM BRAKE RELEASE (FT)	HEIGHT (FT)	SPEED (KTAS)	THRUST (LB)
POINT 1	0	0	16	18423
POINT 2	3981	0	152	15679
POINT 3	8232	1000	155	16083
POINT 4	10806	1297	175	15809
POINT 5	13317	1555	194	15551
POINT 6	14317	1606	203	14399
POINT 7	15664	1674	215	14071
POINT 8	22762	3000	220	14278
POINT 9	28921	3266	262	13626
POINT 10	42707	5500	271	13974
POINT 11	56067	7500	280	14286
POINT 12	74312	10000	291	0

THRUST FOR LEVEL FLIGHT	GRADIENT AT TAKE-OFF POWER	TAKE-OFF THRUST	GRADIENT AT CLIMB POWER
4198	0.235241	15881	0.198718

CLIMB THRUST	GRADIENT AT FAR36 CUTBACK	THRUST FOR ENGINE OUT LEVEL FLIGHT	VZF (KCAS)
15198	0.076922	8396	210

NUMBER OF ENGINES	RATED THRUST LB	AIRCRAFT WEIGHT (LB)	STAGE NUMBER
2	20000	102000	2

TAKEOFF SEGMENTS DATA (HEADWIND = 8 KT) 06-20-1991 09:10:30

AIRCRAFT ID NUMBER	AIRCRAFT AND ENGINE NAMES	AIRCRAFT CATEGORY
035	B737-300/CFM56-3B-1	JCOM

AIRCRAFT WEIGHT	STAGE NUMBER	NUMBER OF ENGINES
108000	3	2

SEG. NO.	TYPE	FLAP	START ALT (FT)	END ALT (FT)	CALIBRATED START SPEED (KCAS)	CALIBRATED END SPEED (KCAS)	SEG. LNGTH (FT)	THRST (LB)	R/C (FPM)	GRAD
1	TKOFF	5	0	0	16	157	4489	15590	0	0.00000
2	CLIMB	5	0	1000	157	157	4651	15792	3440	0.21500
3	ACCEL	5	1000	1313	157	177	2971	15854	1720	0.10054
4	ACCEL	1	1313	1505	177	190	2011	15623	1720	0.09103
5	ACCEL	ZERO	1505	1636	190	210	2591	14229	1000	0.04830
6	CLIMB	ZERO	1636	3000	210	210	7892	14172	3803	0.17279
7	ACCEL	ZERO	3000	3295	210	250	6838	13954	1000	0.04101
8	CLIMB	ZERO	3295	5500	250	250	14761	13803	4038	0.14939
9	CLIMB	ZERO	5500	7500	250	250	14509	14130	3847	0.13785
10	CLIMB	ZERO	7500	10000	250	250	19852	14480	3639	0.12593

SEG. NO.	TYPE	FLAP	THRUST TYPE	VALUE
1	TKOFF	5	MAX TKOFF	
2	CLIMB	5	MAX TKOFF	
3	ACCEL	5	MAX TKOFF	
4	ACCEL	1	MAX TKOFF	
5	ACCEL	ZERO	MAX CLIMB	
6	CLIMB	ZERO	MAX CLIMB	
7	ACCEL	ZERO	MAX CLIMB	
8	CLIMB	ZERO	MAX CLIMB	
9	CLIMB	ZERO	MAX CLIMB	
10	CLIMB	ZERO	MAX CLIMB	

TAKEOFF PROFILE DATA (HEADWIND = 8 KT) 06-20-1991 09:10:34

AIRCRAFT ID NUMBER	AIRCRAFT AND ENGINE NAMES	AIRCRAFT CATEGORY
035	B737-300/CFM56-3B-1	JCOM

	DISTANCE FROM BRAKE RELEASE (FT)	HEIGHT (FT)	SPEED (KTAS)	THRUST (LB)
POINT 1	0	0	16	18423
POINT 2	4489	0	157	15590
POINT 3	9140	1000	159	15994
POINT 4	12111	1313	180	15715
POINT 5	14122	1505	194	15531
POINT 6	15122	1556	202	14391
POINT 7	16713	1636	215	14066
POINT 8	24605	3000	220	14278
POINT 9	31443	3295	262	13631
POINT 10	46204	5500	271	13974
POINT 11	60713	7500	280	14286
POINT 12	80565	10000	291	0

THRUST FOR LEVEL FLIGHT	GRADIENT AT TAKE-OFF POWER	TAKE-OFF THRUST	GRADIENT AT CLIMB POWER
4445	0.215001	15792	0.181239

CLIMB THRUST	GRADIENT AT FAR36 CUTBACK	THRUST FOR ENGINE OUT LEVEL FLIGHT	VZF (KCAS)
15121	0.076922	8889	210

NUMBER OF ENGINES	RATED THRUST LB	AIRCRAFT WEIGHT (LB)	STAGE NUMBER
2	20000	108000	3

TAKEOFF SEGMENTS DATA (HEADWIND = 8 KT) 06-20-1991 09:11:57

AIRCRAFT ID NUMBER	AIRCRAFT AND ENGINE NAMES	AIRCRAFT CATEGORY
035	B737-300/CFM56-3B-1	JCOM

AIRCRAFT WEIGHT	STAGE NUMBER	NUMBER OF ENGINES
119000	4	2

SEG. NO.	TYPE	FLAP	START ALT (FT)	END ALT (FT)	CALIBRATED START SPEED (KCAS)	CALIBRATED END SPEED (KCAS)	SEG. LNGTH (FT)	THRST (LB)	R/C (FPM)	GRAD
1	TKOFF	5	0	0	16	165	5506	15433	0	0.00000
2	CLIMB	5	0	1000	165	165	5441	15635	3087	0.18380
3	ACCEL	5	1000	1331	165	185	3667	15699	1544	0.08604
4	ACCEL	1	1331	1409	185	190	926	15526	1544	0.07995
5	ACCEL	ZERO	1409	1646	190	220	4790	14135	1000	0.04715
6	CLIMB	ZERO	1646	3000	220	220	9141	13999	3415	0.14811
7	ACCEL	ZERO	3000	3268	220	250	6348	13866	1000	0.04014
8	CLIMB	ZERO	3268	5500	250	250	17197	13801	3507	0.12979
9	CLIMB	ZERO	5500	7500	250	250	16760	14130	3330	0.11933
10	CLIMB	ZERO	7500	10000	250	250	23024	14480	3137	0.10858

SEG. NO.	TYPE	FLAP	THRUST TYPE	VALUE
1	TKOFF	5	MAX TKOFF	
2	CLIMB	5	MAX TKOFF	
3	ACCEL	5	MAX TKOFF	
4	ACCEL	1	MAX TKOFF	
5	ACCEL	ZERO	MAX CLIMB	
6	CLIMB	ZERO	MAX CLIMB	
7	ACCEL	ZERO	MAX CLIMB	
8	CLIMB	ZERO	MAX CLIMB	
9	CLIMB	ZERO	MAX CLIMB	
10	CLIMB	ZERO	MAX CLIMB	

TAKEOFF PROFILE DATA (HEADWIND = 8 KT) 06-20-1991 09:12:01

AIRCRAFT ID NUMBER	AIRCRAFT AND ENGINE NAMES	AIRCRAFT CATEGORY
035	B737-300/CFM56-3B-1	JCOM

	DISTANCE FROM BRAKE RELEASE (FT)	HEIGHT (FT)	SPEED (KTAS)	THRUST (LB)
POINT 1	0	0	16	18423
POINT 2	5506	0	165	15433
POINT 3	10946	1000	167	15837
POINT 4	14614	1331	189	15561
POINT 5	15539	1409	194	15492
POINT 6	16539	1458	201	14377
POINT 7	20330	1646	225	13894
POINT 8	29471	3000	230	14105
POINT 9	35819	3268	262	13627
POINT 10	53016	5500	271	13974
POINT 11	69776	7500	280	14286
POINT 12	92800	10000	291	0

THRUST FOR LEVEL FLIGHT	GRADIENT AT TAKE-OFF POWER	TAKE-OFF THRUST	GRADIENT AT CLIMB POWER
4897	0.183796	15635	0.154173

CLIMB THRUST	GRADIENT AT FAR36 CUTBACK	THRUST FOR ENGINE OUT LEVEL FLIGHT	VZF (KCAS)
14986	0.076922	9795	220

NUMBER OF ENGINES	RATED THRUST LB	AIRCRAFT WEIGHT (LB)	STAGE NUMBER
2	20000	119000	4

APPROACH PROFILE DATA (HEADWIND = 8 KT) 02-15-1992 12:53:26

AIRCRAFT ID NUMBER	AIRCRAFT AND ENGINE NAMES	AIRCRAFT CATEGORY
035	B737-300/CFM56-3B-1	JCOM

	DISTANCE FROM RW THRESHOLD (FT)	HEIGHT (FT)	SPEED (KTAS)	THRUST (LB)	FLAPS
POINT 1	113533	6000	273	716	ZERO
POINT 2	56289	3000	178	1619	5
POINT 3	27668	1500	152	3222	D 15
POINT 4	18127	1000	141	3930	D 30
POINT 5	-954	0	139	3790	D 30
POINT 6	-1271	0	132	12000	
POINT 7	-4122	0	30	2000	

NUMBER OF ENGINES	RATED THRUST LB	AIRCRAFT WEIGHT (LB)	GLIDE SLOPE
2	20000	102600	3.00

TAKEOFF SEGMENTS DATA (HEADWIND = 8 KT) 06-20-1991 09:30:36

AIRCRAFT ID NUMBER	AIRCRAFT AND ENGINE NAMES	AIRCRAFT CATEGORY
036	B737-300/CFM56-3B-2	JCOM

AIRCRAFT WEIGHT	STAGE NUMBER	NUMBER OF ENGINES
98000	1	2

SEG. NO.	TYPE	FLAP	START ALT (FT)	END ALT (FT)	CALIBRATED START SPEED (KCAS)	CALIBRATED END SPEED (KCAS)	SEG. LNGTH (FT)	THRST (LB)	R/C (FPM)	GRAD
1	TKOFF	5	0	0	16	150	3187	17629	0	0.00000
2	CLIMB	5	0	1000	150	150	3443	17740	4438	0.29046
3	ACCEL	5	1000	1314	150	170	2214	17677	2219	0.13597
4	ACCEL	1	1314	1608	170	190	2343	17329	2219	0.11999
5	ACCEL	ZERO	1608	1704	190	210	1894	15577	1000	0.04824
6	CLIMB	ZERO	1704	3000	210	210	5813	15536	4909	0.22296
7	ACCEL	ZERO	3000	3211	210	250	4900	15328	1000	0.04104
8	CLIMB	ZERO	3211	5500	250	250	11660	15219	5302	0.19627
9	CLIMB	ZERO	5500	7500	250	250	10954	15647	5096	0.18259
10	CLIMB	ZERO	7500	10000	250	250	14824	16095	4873	0.16864

SEG. NO.	TYPE	FLAP	THRUST TYPE	VALUE
1	TKOFF	5	MAX TKOFF	
2	CLIMB	5	MAX TKOFF	
3	ACCEL	5	MAX TKOFF	
4	ACCEL	1	MAX TKOFF	
5	ACCEL	ZERO	MAX CLIMB	
6	CLIMB	ZERO	MAX CLIMB	
7	ACCEL	ZERO	MAX CLIMB	
8	CLIMB	ZERO	MAX CLIMB	
9	CLIMB	ZERO	MAX CLIMB	
10	CLIMB	ZERO	MAX CLIMB	

TAKEOFF PROFILE DATA (HEADWIND = 8 KT) 06-20-1991 09:30:40

AIRCRAFT ID NUMBER	AIRCRAFT AND ENGINE NAMES	AIRCRAFT CATEGORY
036	B737-300/CFM56-3B-2	JCOM

	DISTANCE FROM BRAKE RELEASE (FT)	HEIGHT (FT)	SPEED (KTAS)	THRUST (LB)
POINT 1	0	0	16	20391
POINT 2	3187	0	150	17629
POINT 3	6630	1000	152	17851
POINT 4	8844	1314	173	17503
POINT 5	11187	1608	195	17155
POINT 6	12187	1659	206	15746
POINT 7	13081	1704	215	15407
POINT 8	18894	3000	220	15665
POINT 9	23794	3211	262	14991
POINT 10	35454	5500	271	15447
POINT 11	46408	7500	280	15846
POINT 12	61232	10000	291	0

THRUST FOR LEVEL FLIGHT	GRADIENT AT TAKE-OFF POWER	TAKE-OFF THRUST	GRADIENT AT CLIMB POWER
4048	0.290464	17740	0.239651

CLIMB THRUST	GRADIENT AT FAR36 CUTBACK	THRUST FOR ENGINE OUT LEVEL FLIGHT	VZF (KCAS)
16645	0.077215	8097	210

NUMBER OF ENGINES	RATED THRUST LB	AIRCRAFT WEIGHT (LB)	STAGE NUMBER
2	22000	98000	1

TAKEOFF SEGMENTS DATA (HEADWIND = 8 KT) 06-20-1991 09:31:36

AIRCRAFT ID NUMBER	AIRCRAFT AND ENGINE NAMES	AIRCRAFT CATEGORY
036	B737-300/CFM56-3B-2	JCOM

AIRCRAFT WEIGHT	STAGE NUMBER	NUMBER OF ENGINES
105000	2	2

SEG. NO.	TYPE	FLAP	START ALT (FT)	END ALT (FT)	CALIBRATED START SPEED (KCAS)	CALIBRATED END SPEED (KCAS)	SEG. LNGTH (FT)	THRST (LB)	R/C (FPM)	GRAD
1	TKOFF	5	0	0	16	155	3681	17521	0	0.00000
2	CLIMB	5	0	1000	155	155	3825	17632	4135	0.26144
3	ACCEL	5	1000	1318	155	175	2486	17572	2068	0.12256
4	ACCEL	1	1318	1546	175	190	1974	17271	2068	0.11022
5	ACCEL	ZERO	1546	1653	190	210	2113	15565	1000	0.04828
6	CLIMB	ZERO	1653	3000	210	210	6620	15531	4477	0.20342
7	ACCEL	ZERO	3000	3237	210	250	5495	15331	1000	0.04103
8	CLIMB	ZERO	3237	5500	250	250	12675	15222	4824	0.17853
9	CLIMB	ZERO	5500	7500	250	250	12051	15647	4632	0.16596
10	CLIMB	ZERO	7500	10000	250	250	16335	16095	4422	0.15304

SEG. NO.	TYPE	FLAP	THRUST TYPE	VALUE
1	TKOFF	5	MAX TKOFF	
2	CLIMB	5	MAX TKOFF	
3	ACCEL	5	MAX TKOFF	
4	ACCEL	1	MAX TKOFF	
5	ACCEL	ZERO	MAX CLIMB	
6	CLIMB	ZERO	MAX CLIMB	
7	ACCEL	ZERO	MAX CLIMB	
8	CLIMB	ZERO	MAX CLIMB	
9	CLIMB	ZERO	MAX CLIMB	
10	CLIMB	ZERO	MAX CLIMB	

TAKEOFF PROFILE DATA (HEADWIND = 8 KT) 06-20-1991 09:31:39

AIRCRAFT ID NUMBER	AIRCRAFT AND ENGINE NAMES	AIRCRAFT CATEGORY
036	B737-300/CFM56-3B-2	JCOM

	DISTANCE FROM BRAKE RELEASE (FT)	HEIGHT (FT)	SPEED (KTAS)	THRUST (LB)
POINT 1	0	0	16	20391
POINT 2	3681	0	155	17521
POINT 3	7506	1000	157	17743
POINT 4	9992	1318	178	17401
POINT 5	11966	1546	194	17141
POINT 6	12966	1597	204	15734
POINT 7	14079	1653	215	15397
POINT 8	20700	3000	220	15665
POINT 9	26195	3237	262	14996
POINT 10	38870	5500	271	15447
POINT 11	50921	7500	280	15846
POINT 12	67256	10000	291	0

THRUST FOR LEVEL FLIGHT	GRADIENT AT TAKE-OFF POWER	TAKE-OFF THRUST	GRADIENT AT CLIMB POWER
4338	0.261445	17632	0.215341

CLIMB THRUST	GRADIENT AT FAR36 CUTBACK	THRUST FOR ENGINE OUT LEVEL FLIGHT	VZF (KCAS)
16550	0.077215	8675	210

NUMBER OF ENGINES	RATED THRUST LB	AIRCRAFT WEIGHT (LB)	STAGE NUMBER
2	22000	105000	2

TAKEOFF SEGMENTS DATA (HEADWIND = 8 KT) 06-20-1991 09:32:35

AIRCRAFT ID NUMBER	AIRCRAFT AND ENGINE NAMES	AIRCRAFT CATEGORY
036	B737-300/CFM56-3B-2	JCOM

AIRCRAFT WEIGHT	STAGE NUMBER	NUMBER OF ENGINES
111000	3	2

SEG. NO.	TYPE	FLAP	START ALT (FT)	END ALT (FT)	CALIBRATED START SPEED (KCAS)	CALIBRATED END SPEED (KCAS)	SEG. LNGTH (FT)	THRST (LB)	R/C (FPM)	GRAD
1	TKOFF	5	0	0	16	159	4135	17430	0	0.00000
2	CLIMB	5	0	1000	159	159	4168	17541	3902	0.23995
3	ACCEL	5	1000	1320	159	179	2714	17485	1951	0.11264
4	ACCEL	1	1320	1491	179	190	1592	17224	1951	0.10282
5	ACCEL	ZERO	1491	1609	190	210	2316	15555	1000	0.04832
6	CLIMB	ZERO	1609	3000	210	210	7369	15527	4154	0.18879
7	ACCEL	ZERO	3000	3261	210	250	6052	15333	1000	0.04102
8	CLIMB	ZERO	3261	5500	250	250	13551	15224	4465	0.16522
9	CLIMB	ZERO	5500	7500	250	250	13033	15647	4283	0.15346
10	CLIMB	ZERO	7500	10000	250	250	17691	16095	4083	0.14131

SEG. NO.	TYPE	FLAP	THRUST TYPE	VALUE
1	TKOFF	5	MAX TKOFF	
2	CLIMB	5	MAX TKOFF	
3	ACCEL	5	MAX TKOFF	
4	ACCEL	1	MAX TKOFF	
5	ACCEL	ZERO	MAX CLIMB	
6	CLIMB	ZERO	MAX CLIMB	
7	ACCEL	ZERO	MAX CLIMB	
8	CLIMB	ZERO	MAX CLIMB	
9	CLIMB	ZERO	MAX CLIMB	
10	CLIMB	ZERO	MAX CLIMB	

TAKEOFF PROFILE DATA (HEADWIND = 8 KT) 06-20-1991 09:32:38

AIRCRAFT ID NUMBER	AIRCRAFT AND ENGINE NAMES	AIRCRAFT CATEGORY
036	B737-300/CFM56-3B-2	JCOM

	DISTANCE FROM BRAKE RELEASE (FT)	HEIGHT (FT)	SPEED (KTAS)	THRUST (LB)
POINT 1	0	0	16	20391
POINT 2	4135	0	159	17430
POINT 3	8303	1000	162	17652
POINT 4	11016	1320	183	17318
POINT 5	12608	1491	194	17129
POINT 6	13608	1542	203	15723
POINT 7	14924	1609	215	15388
POINT 8	22293	3000	220	15665
POINT 9	28345	3261	262	15001
POINT 10	41897	5500	271	15447
POINT 11	54929	7500	280	15846
POINT 12	72621	10000	291	0

THRUST FOR LEVEL FLIGHT	GRADIENT AT TAKE-OFF POWER	TAKE-OFF THRUST	GRADIENT AT CLIMB POWER
4586	0.239946	17541	0.197230

CLIMB THRUST	GRADIENT AT FAR36 CUTBACK	THRUST FOR ENGINE OUT LEVEL FLIGHT	VZF (KCAS)
16472	0.077215	9171	210

NUMBER OF ENGINES	RATED THRUST LB	AIRCRAFT WEIGHT (LB)	STAGE NUMBER
2	22000	111000	3

TAKEOFF SEGMENTS DATA (HEADWIND = 8 KT) 06-20-1991 09:33:44

AIRCRAFT ID NUMBER	AIRCRAFT AND ENGINE NAMES	AIRCRAFT CATEGORY
036	B737-300/CFM56-3B-2	JCOM

AIRCRAFT WEIGHT	STAGE NUMBER	NUMBER OF ENGINES
122000	4	2

SEG. NO.	TYPE	FLAP	START ALT (FT)	END ALT (FT)	CALIBRATED START SPEED (KCAS)	CALIBRATED END SPEED (KCAS)	SEG. LNGTH (FT)	THRST (LB)	R/C (FPM)	GRAD
1	TKOFF	5	0	0	16	167	5041	17271	0	0.00000
2	CLIMB	5	0	1000	167	167	4837	17382	3525	0.20675
3	ACCEL	5	1000	1339	167	187	3331	17325	1763	0.09710
4	ACCEL	1	1339	1388	187	190	514	17132	1763	0.09090
5	ACCEL	ZERO	1388	1597	190	220	4217	15454	1000	0.04717
6	CLIMB	ZERO	1597	3000	220	220	8604	15346	3759	0.16307
7	ACCEL	ZERO	3000	3233	220	250	5528	15241	1000	0.04016
8	CLIMB	ZERO	3233	5500	250	250	15679	15221	3905	0.14455
9	CLIMB	ZERO	5500	7500	250	250	14939	15647	3736	0.13388
10	CLIMB	ZERO	7500	10000	250	250	20339	16095	3552	0.12291

SEG. NO.	TYPE	FLAP	THRUST TYPE	VALUE
1	TKOFF	5	MAX TKOFF	
2	CLIMB	5	MAX TKOFF	
3	ACCEL	5	MAX TKOFF	
4	ACCEL	1	MAX TKOFF	
5	ACCEL	ZERO	MAX CLIMB	
6	CLIMB	ZERO	MAX CLIMB	
7	ACCEL	ZERO	MAX CLIMB	
8	CLIMB	ZERO	MAX CLIMB	
9	CLIMB	ZERO	MAX CLIMB	
10	CLIMB	ZERO	MAX CLIMB	

TAKEOFF PROFILE DATA (HEADWIND = 8 KT) 06-20-1991 09:33:47

AIRCRAFT ID NUMBER	AIRCRAFT AND ENGINE NAMES	AIRCRAFT CATEGORY
036	B737-300/CFM56-3B-2	JCOM

	DISTANCE FROM BRAKE RELEASE (FT)	HEIGHT (FT)	SPEED (KTAS)	THRUST (LB)
POINT 1	0	0	16	20391
POINT 2	5041	0	167	17271
POINT 3	9878	1000	170	17493
POINT 4	13209	1339	191	17157
POINT 5	13723	1388	194	17106
POINT 6	14723	1437	201	15702
POINT 7	17941	1597	225	15207
POINT 8	26544	3000	230	15486
POINT 9	32073	3233	262	14996
POINT 10	47752	5500	271	15447
POINT 11	62691	7500	280	15846
POINT 12	83030	10000	291	0

THRUST FOR LEVEL FLIGHT	GRADIENT AT TAKE-OFF POWER	TAKE-OFF THRUST	GRADIENT AT CLIMB POWER
5040	0.206748	17382	0.169104

CLIMB THRUST	GRADIENT AT FAR36 CUTBACK	THRUST FOR ENGINE OUT LEVEL FLIGHT	VZF (KCAS)
16334	0.077215	10080	220

NUMBER OF ENGINES	RATED THRUST LB	AIRCRAFT WEIGHT (LB)	STAGE NUMBER
2	22000	122000	4

APPROACH PROFILE DATA (HEADWIND = 8 KT) 02-15-1992 12:54:29

AIRCRAFT ID NUMBER	AIRCRAFT AND ENGINE NAMES	AIRCRAFT CATEGORY
036	B737-300/CFM56-3B-2	JCOM

	DISTANCE FROM RW THRESHOLD (FT)	HEIGHT (FT)	SPEED (KTAS)	THRUST (LB)	FLAPS
POINT 1	113533	6000	273	716	ZERO
POINT 2	56289	3000	178	1636	5
POINT 3	27668	1500	152	3222	D 15
POINT 4	18127	1000	141	3930	D 30
POINT 5	-954	0	139	3790	D 30
POINT 6	-1271	0	132	13200	
POINT 7	-4122	0	30	2200	

NUMBER OF ENGINES	RATED THRUST LB	AIRCRAFT WEIGHT (LB)	GLIDE SLOPE
2	22000	102600	3.00

TAKEOFF SEGMENTS DATA (HEADWIND = 8 KT) 05-08-1991 13:21:33

AIRCRAFT ID NUMBER	AIRCRAFT AND ENGINE NAMES	AIRCRAFT CATEGORY
037	BAC111/SPEY MK511-14	JCOM

AIRCRAFT WEIGHT	STAGE NUMBER	NUMBER OF ENGINES
74000	1	2

SEG. NO.	TYPE	FLAP	START ALT (FT)	END ALT (FT)	CALIBRATED START SPEED (KCAS)	CALIBRATED END SPEED (KCAS)	SEG. LNGTH (FT)	THRST (LB)	R/C (FPM)	GRAD
1	TKOFF	8	0	0	16	148	4221	10177	0	0.00000
2	CLIMB	8	0	1000	148	148	5180	10166	2913	0.19303
3	ACCEL	8	1000	1329	148	158	2536	10117	1942	0.12418
4	ACCEL	INT1	1329	1600	158	178	3077	10010	1457	0.08410
5	ACCEL	INT1	1600	1792	178	198	3559	8686	1000	0.05130
6	CLIMB	ZERO	1792	3000	198	198	7968	8613	3148	0.15155
7	ACCEL	ZERO	3000	3516	198	250	11666	8443	1000	0.04203
8	CLIMB	ZERO	3516	5500	250	250	16685	8265	3220	0.11893
9	CLIMB	ZERO	5500	7500	250	250	19068	8226	2927	0.10489
10	CLIMB	ZERO	7500	10000	250	250	27711	8182	2607	0.09022

SEG. NO.	TYPE	FLAP	THRUST TYPE	VALUE
1	TKOFF	8	MAX TKOFF	
2	CLIMB	8	MAX TKOFF	
3	ACCEL	8	MAX TKOFF	
4	ACCEL	INT1	MAX TKOFF	
5	ACCEL	INT1	MAX CLIMB	
6	CLIMB	ZERO	MAX CLIMB	
7	ACCEL	ZERO	MAX CLIMB	
8	CLIMB	ZERO	MAX CLIMB	
9	CLIMB	ZERO	MAX CLIMB	
10	CLIMB	ZERO	MAX CLIMB	

TAKEOFF PROFILE DATA (HEADWIND = 8 KT) 05-08-1991 13:21:44

AIRCRAFT ID NUMBER	AIRCRAFT AND ENGINE NAMES	AIRCRAFT CATEGORY
037	BAC111/SPEY MK511-14	JCOM

	DISTANCE FROM BRAKE RELEASE (FT)	HEIGHT (FT)	SPEED (KTAS)	THRUST (LB)
POINT 1	0	0	16	11061
POINT 2	4221	0	148	10177
POINT 3	9402	1000	150	10154
POINT 4	11938	1329	161	10080
POINT 5	15015	1600	182	9940
POINT 6	16015	1654	188	8747
POINT 7	18574	1792	203	8625
POINT 8	26542	3000	207	8601
POINT 9	38208	3516	263	8285
POINT 10	54893	5500	271	8246
POINT 11	73961	7500	280	8206
POINT 12	101672	10000	291	0

THRUST FOR LEVEL FLIGHT	GRADIENT AT TAKE-OFF POWER	TAKE-OFF THRUST	GRADIENT AT CLIMB POWER
3164	0.193034	10166	0.140340

CLIMB THRUST	GRADIENT AT FAR36 CUTBACK	THRUST FOR ENGINE OUT LEVEL FLIGHT	VZF (KCAS)
8906	0.079935	6328	198

NUMBER OF ENGINES	RATED THRUST LB	AIRCRAFT WEIGHT (LB)	STAGE NUMBER
2	11400	74000	1

TAKEOFF SEGMENTS DATA (HEADWIND = 8 KT) 05-08-1991 13:24:15

AIRCRAFT ID NUMBER	AIRCRAFT AND ENGINE NAMES	AIRCRAFT CATEGORY
037	BAC111/SPEY MK511-14	JCOM

AIRCRAFT WEIGHT	STAGE NUMBER	NUMBER OF ENGINES
79000	2	2

SEG. NO.	TYPE	FLAP	START ALT (FT)	END ALT (FT)	CALIBRATED START SPEED (KCAS)	CALIBRATED END SPEED (KCAS)	SEG. LNGTH (FT)	THRST (LB)	R/C (FPM)	GRAD
1	TKOFF	8	0	0	16	153	4827	10144	0	0.00000
2	CLIMB	8	0	1000	153	153	5746	10133	2714	0.17404
3	ACCEL	8	1000	1343	153	163	2933	10084	1809	0.11187
4	ACCEL	INT1	1343	1622	163	183	3500	9976	1357	0.07600
5	ACCEL	INT1	1622	1847	183	203	4286	8656	1000	0.04993
6	CLIMB	ZERO	1847	3000	203	203	8983	8583	2734	0.12830
7	ACCEL	ZERO	3000	3541	203	250	12380	8428	1000	0.04156
8	CLIMB	ZERO	3541	5500	250	250	18266	8265	2904	0.10724
9	CLIMB	ZERO	5500	7500	250	250	21226	8226	2630	0.09422
10	CLIMB	ZERO	7500	10000	250	250	31049	8182	2326	0.08052

SEG. NO.	TYPE	FLAP	THRUST TYPE	VALUE
1	TKOFF	8	MAX TKOFF	
2	CLIMB	8	MAX TKOFF	
3	ACCEL	8	MAX TKOFF	
4	ACCEL	INT1	MAX TKOFF	
5	ACCEL	INT1	MAX CLIMB	
6	CLIMB	ZERO	MAX CLIMB	
7	ACCEL	ZERO	MAX CLIMB	
8	CLIMB	ZERO	MAX CLIMB	
9	CLIMB	ZERO	MAX CLIMB	
10	CLIMB	ZERO	MAX CLIMB	

TAKEOFF PROFILE DATA (HEADWIND = 8 KT) 05-08-1991 13:24:24

AIRCRAFT ID NUMBER	AIRCRAFT AND ENGINE NAMES	AIRCRAFT CATEGORY
037	BAC111/SPEY MK511-14	JCOM

	DISTANCE FROM BRAKE RELEASE (FT)	HEIGHT (FT)	SPEED (KTAS)	THRUST (LB)
POINT 1	0	0	16	11061
POINT 2	4827	0	153	10144
POINT 3	10573	1000	155	10122
POINT 4	13506	1343	166	10046
POINT 5	17006	1622	187	9906
POINT 6	18006	1675	192	8717
POINT 7	21292	1847	209	8595
POINT 8	30275	3000	212	8572
POINT 9	42655	3541	263	8284
POINT 10	60921	5500	271	8246
POINT 11	82147	7500	280	8206
POINT 12	113197	10000	291	0

THRUST FOR LEVEL FLIGHT	GRADIENT AT TAKE-OFF POWER	TAKE-OFF THRUST	GRADIENT AT CLIMB POWER
3378	0.174036	10133	0.125222

CLIMB THRUST	GRADIENT AT FAR36 CUTBACK	THRUST FOR ENGINE OUT LEVEL FLIGHT	VZF (KCAS)
8877	0.079935	6756	203

NUMBER OF ENGINES	RATED THRUST LB	AIRCRAFT WEIGHT (LB)	STAGE NUMBER
2	11400	79000	2

TAKEOFF SEGMENTS DATA (HEADWIND = 8 KT) 05-08-1991 13:27:23

AIRCRAFT ID NUMBER	AIRCRAFT AND ENGINE NAMES	AIRCRAFT CATEGORY
037	BAC111/SPEY MK511-14	JCOM

AIRCRAFT WEIGHT	STAGE NUMBER	NUMBER OF ENGINES
85000	3	2

SEG. NO.	TYPE	FLAP	START ALT (FT)	END ALT (FT)	CALIBRATED START SPEED (KCAS)	CALIBRATED END SPEED (KCAS)	SEG. LNGTH (FT)	THRST (LB)	R/C (FPM)	GRAD
1	TKOFF	8	0	0	16	159	5609	10106	0	0.00000
2	CLIMB	8	0	1000	159	159	6476	10095	2498	0.15441
3	ACCEL	8	1000	1369	159	169	3549	10044	1665	0.09914
4	ACCEL	INT1	1369	1657	169	189	4070	9935	1249	0.06753
5	ACCEL	INT1	1657	1932	189	209	5393	8619	1000	0.04838
6	CLIMB	ZERO	1932	3000	209	209	9403	8547	2494	0.11363
7	ACCEL	ZERO	3000	3567	209	250	13141	8410	1000	0.04101
8	CLIMB	ZERO	3567	5500	250	250	20330	8265	2576	0.09509
9	CLIMB	ZERO	5500	7500	250	250	24064	8226	2319	0.08311
10	CLIMB	ZERO	7500	10000	250	250	35508	8182	2034	0.07041

SEG. NO.	TYPE	FLAP	THRUST TYPE	VALUE
1	TKOFF	8	MAX TKOFF	
2	CLIMB	8	MAX TKOFF	
3	ACCEL	8	MAX TKOFF	
4	ACCEL	INT1	MAX TKOFF	
5	ACCEL	INT1	MAX CLIMB	
6	CLIMB	ZERO	MAX CLIMB	
7	ACCEL	ZERO	MAX CLIMB	
8	CLIMB	ZERO	MAX CLIMB	
9	CLIMB	ZERO	MAX CLIMB	
10	CLIMB	ZERO	MAX CLIMB	

TAKEOFF PROFILE DATA (HEADWIND = 8 KT) 05-08-1991 13:27:30

AIRCRAFT ID NUMBER	AIRCRAFT AND ENGINE NAMES	AIRCRAFT CATEGORY
037	BAC111/SPEY MK511-14	JCOM

	DISTANCE FROM BRAKE RELEASE (FT)	HEIGHT (FT)	SPEED (KTAS)	THRUST (LB)
POINT 1	0	0	16	11061
POINT 2	5609	0	159	10106
POINT 3	12085	1000	161	10083
POINT 4	15634	1369	172	10005
POINT 5	19704	1657	194	9865
POINT 6	20704	1708	198	8681
POINT 7	25096	1932	215	8558
POINT 8	34499	3000	218	8537
POINT 9	47641	3567	264	8284
POINT 10	67970	5500	271	8246
POINT 11	92034	7500	280	8206
POINT 12	127542	10000	291	0

THRUST FOR LEVEL FLIGHT	GRADIENT AT TAKE-OFF POWER	TAKE-OFF THRUST	GRADIENT AT CLIMB POWER
3634	0.154414	10095	0.109545

CLIMB THRUST	GRADIENT AT FAR36 CUTBACK	THRUST FOR ENGINE OUT LEVEL FLIGHT	VZF (KCAS)
8844	0.079935	7269	209

NUMBER OF ENGINES	RATED THRUST LB	AIRCRAFT WEIGHT (LB)	STAGE NUMBER
2	11400	85000	3

APPROACH PROFILE DATA (HEADWIND = 8 KT) 02-15-1992 15:13:53

AIRCRAFT ID NUMBER	AIRCRAFT AND ENGINE NAMES	AIRCRAFT CATEGORY
037	BAC111/SPEY MK511-14	JCOM

	DISTANCE FROM RW THRESHOLD (FT)	HEIGHT (FT)	SPEED (KTAS)	THRUST (LB)	FLAPS
POINT 1	113533	6000	273	653	ZERO
POINT 2	56289	3000	160	938	INT1
POINT 3	27668	1500	146	2166	U INT
POINT 4	18127	1000	135	3382	D 45
POINT 5	-954	0	133	3262	D 45
POINT 6	-1259	0	126	6840	
POINT 7	-4004	0	30	1140	

NUMBER OF ENGINES	RATED THRUST LB	AIRCRAFT WEIGHT (LB)	GLIDE SLOPE
2	11400	73800	3.00

TAKEOFF SEGMENTS DATA (HEADWIND = 8 KT) 06-21-1991 16:16:27

AIRCRAFT ID NUMBER	AIRCRAFT AND ENGINE NAMES	AIRCRAFT CATEGORY
038	F28-2000/RB183MK555	JCOM

AIRCRAFT WEIGHT	STAGE NUMBER	NUMBER OF ENGINES
58000	1	2

SEG. NO.	TYPE	FLAP	START ALT (FT)	END ALT (FT)	CALIBRATED START SPEED (KCAS)	CALIBRATED END SPEED (KCAS)	SEG. LNGTH (FT)	THRST (LB)	R/C (FPM)	GRAD
1	TKOFF	6	0	0	16	145	3292	8736	0	0.00000
2	CLIMB	6	0	1000	145	145	4429	8781	3344	0.22580
3	ACCEL	6	1000	1309	145	155	2036	8801	2229	0.14571
4	ACCEL	ZERO	1309	1531	155	170	2118	8729	1672	0.10000
5	ACCEL	ZERO	1531	1649	170	185	2072	7737	1000	0.05443
6	CLIMB	ZERO	1649	3000	185	185	8012	7778	3269	0.16857
7	ACCEL	ZERO	3000	3551	185	250	12115	7725	1000	0.04327
8	CLIMB	ZERO	3551	5500	250	250	14207	7702	3715	0.13716
9	CLIMB	ZERO	5500	7500	250	250	15757	7909	3542	0.12693
10	CLIMB	ZERO	7500	10000	250	250	21642	8145	3338	0.11551

SEG. NO.	TYPE	FLAP	THRUST TYPE	VALUE
1	TKOFF	6	MAX TKOFF	
2	CLIMB	6	MAX TKOFF	
3	ACCEL	6	MAX TKOFF	
4	ACCEL	ZERO	MAX TKOFF	
5	ACCEL	ZERO	MAX CLIMB	
6	CLIMB	ZERO	MAX CLIMB	
7	ACCEL	ZERO	MAX CLIMB	
8	CLIMB	ZERO	MAX CLIMB	
9	CLIMB	ZERO	MAX CLIMB	
10	CLIMB	ZERO	MAX CLIMB	

TAKEOFF PROFILE DATA (HEADWIND = 8 KT) 06-21-1991 16:16:33

AIRCRAFT ID NUMBER	AIRCRAFT AND ENGINE NAMES	AIRCRAFT CATEGORY
038	F28-2000/RB183MK555	JCOM

	DISTANCE FROM BRAKE RELEASE (FT)	HEIGHT (FT)	SPEED (KTAS)	THRUST (LB)
POINT 1	0	0	16	9728
POINT 2	3292	0	145	8736
POINT 3	7721	1000	147	8825
POINT 4	9757	1309	158	8777
POINT 5	11875	1531	174	8681
POINT 6	12875	1588	181	7766
POINT 7	13948	1649	190	7708
POINT 8	21960	3000	193	7849
POINT 9	34075	3551	263	7600
POINT 10	48282	5500	271	7804
POINT 11	64039	7500	280	8014
POINT 12	85682	10000	291	0

THRUST FOR LEVEL FLIGHT	GRADIENT AT TAKE-OFF POWER	TAKE-OFF THRUST	GRADIENT AT CLIMB POWER
2393	0.225798	8781	0.176504

CLIMB THRUST	GRADIENT AT FAR36 CUTBACK	THRUST FOR ENGINE OUT LEVEL FLIGHT	VZF (KCAS)
7985	0.077118	4786	185

NUMBER OF ENGINES	RATED THRUST LB	AIRCRAFT WEIGHT (LB)	STAGE NUMBER
2	9850	58000	1

TAKEOFF SEGMENTS DATA (HEADWIND = 8 KT) 06-21-1991 16:18:11

AIRCRAFT ID NUMBER	AIRCRAFT AND ENGINE NAMES	AIRCRAFT CATEGORY
038	F28-2000/RB183MK555	JCOM

AIRCRAFT WEIGHT	STAGE NUMBER	NUMBER OF ENGINES
64000	2	2

SEG. NO.	TYPE	FLAP	START ALT (FT)	END ALT (FT)	CALIBRATED START SPEED (KCAS)	CALIBRATED END SPEED (KCAS)	SEG. LNGTH (FT)	THRST (LB)	R/C (FPM)	GRAD
1	TKOFF	6	0	0	16	152	4035	8680	0	0.00000
2	CLIMB	6	0	1000	152	152	5157	8724	3016	0.19390
3	ACCEL	6	1000	1313	152	162	2392	8746	2011	0.12513
4	ACCEL	ZERO	1313	1547	162	177	2589	8676	1508	0.08634
5	ACCEL	ZERO	1547	1696	177	192	2698	7707	1000	0.05233
6	CLIMB	ZERO	1696	3000	192	192	9106	7748	2884	0.14326
7	ACCEL	ZERO	3000	3619	192	250	13821	7712	1000	0.04256
8	CLIMB	ZERO	3619	5500	250	250	16151	7706	3156	0.11648
9	CLIMB	ZERO	5500	7500	250	250	18617	7909	2998	0.10743
10	CLIMB	ZERO	7500	10000	250	250	25732	8145	2807	0.09715

SEG. NO.	TYPE	FLAP	THRUST TYPE	VALUE
1	TKOFF	6	MAX TKOFF	
2	CLIMB	6	MAX TKOFF	
3	ACCEL	6	MAX TKOFF	
4	ACCEL	ZERO	MAX TKOFF	
5	ACCEL	ZERO	MAX CLIMB	
6	CLIMB	ZERO	MAX CLIMB	
7	ACCEL	ZERO	MAX CLIMB	
8	CLIMB	ZERO	MAX CLIMB	
9	CLIMB	ZERO	MAX CLIMB	
10	CLIMB	ZERO	MAX CLIMB	

TAKEOFF PROFILE DATA (HEADWIND = 8 KT) 06-21-1991 16:18:14

AIRCRAFT ID NUMBER	AIRCRAFT AND ENGINE NAMES	AIRCRAFT CATEGORY
038	F28-2000/RB183MK555	JCOM

	DISTANCE FROM BRAKE RELEASE (FT)	HEIGHT (FT)	SPEED (KTAS)	THRUST (LB)
POINT 1	0	0	16	9728
POINT 2	4035	0	152	8680
POINT 3	9192	1000	155	8769
POINT 4	11584	1313	165	8724
POINT 5	14173	1547	181	8629
POINT 6	15173	1602	187	7735
POINT 7	16872	1696	197	7679
POINT 8	25978	3000	201	7816
POINT 9	39799	3619	264	7607
POINT 10	55950	5500	271	7804
POINT 11	74567	7500	280	8014
POINT 12	100299	10000	291	0

THRUST FOR LEVEL FLIGHT	GRADIENT AT TAKE-OFF POWER	TAKE-OFF THRUST	GRADIENT AT CLIMB POWER
2641	0.193898	8724	0.150700

CLIMB THRUST	GRADIENT AT FAR36 CUTBACK	THRUST FOR ENGINE OUT LEVEL FLIGHT	VZF (KCAS)
7950	0.077118	5281	192

NUMBER OF ENGINES	RATED THRUST LB	AIRCRAFT WEIGHT (LB)	STAGE NUMBER
2	9850	64000	2

APPROACH PROFILE DATA (HEADWIND = 8 KT) 02-15-1992 15:24:32

AIRCRAFT ID NUMBER	AIRCRAFT AND ENGINE NAMES	AIRCRAFT CATEGORY
038	F28-2000/RB183MK555	JCOM

	DISTANCE FROM RW THRESHOLD (FT)	HEIGHT (FT)	SPEED (KTAS)	THRUST (LB)	FLAPS
POINT 1	113533	6000	273	1030	ZERO
POINT 2	56289	3000	160	1555	INT2
POINT 3	27668	1500	136	2074	U INTR
POINT 4	18127	1000	125	3218	D 42
POINT 5	-954	0	123	3103	D 42
POINT 6	-1177	0	117	5910	
POINT 7	-3186	0	30	985	

NUMBER OF ENGINES	RATED THRUST LB	AIRCRAFT WEIGHT (LB)	GLIDE SLOPE
2	9850	53100	3.00

TAKEOFF SEGMENTS DATA (HEADWIND = 8 KT) 06-21-1991 16:22:55

AIRCRAFT ID NUMBER	AIRCRAFT AND ENGINE NAMES	AIRCRAFT CATEGORY
039	F28-4000/RB183MK555	JCOM

AIRCRAFT WEIGHT	STAGE NUMBER	NUMBER OF ENGINES
61000	1	2

SEG. NO.	TYPE	FLAP	START ALT (FT)	END ALT (FT)	CALIBRATED START SPEED (KCAS)	CALIBRATED END SPEED (KCAS)	SEG. LNGTH (FT)	THRST (LB)	R/C (FPM)	GRAD
1	TKOFF	6	0	0	16	142	3184	8851	0	0.00000
2	CLIMB	6	0	1000	142	142	4577	8889	3155	0.21850
3	ACCEL	6	1000	1316	142	152	2161	8901	2103	0.14046
4	ACCEL	ZERO	1316	1527	152	167	2091	8826	1578	0.09611
5	ACCEL	ZERO	1527	1652	167	182	2150	7767	1000	0.05537
6	CLIMB	ZERO	1652	3000	182	182	8252	7804	3116	0.16334
7	ACCEL	ZERO	3000	3607	182	250	13260	7736	1000	0.04355
8	CLIMB	ZERO	3607	5500	250	250	14319	7694	3581	0.13218
9	CLIMB	ZERO	5500	7500	250	250	16343	7889	3415	0.12238
10	CLIMB	ZERO	7500	10000	250	250	22457	8113	3217	0.11132

SEG. NO.	TYPE	FLAP	THRUST TYPE	VALUE
1	TKOFF	6	MAX TKOFF	
2	CLIMB	6	MAX TKOFF	
3	ACCEL	6	MAX TKOFF	
4	ACCEL	ZERO	MAX TKOFF	
5	ACCEL	ZERO	MAX CLIMB	
6	CLIMB	ZERO	MAX CLIMB	
7	ACCEL	ZERO	MAX CLIMB	
8	CLIMB	ZERO	MAX CLIMB	
9	CLIMB	ZERO	MAX CLIMB	
10	CLIMB	ZERO	MAX CLIMB	

TAKEOFF PROFILE DATA (HEADWIND = 8 KT) 06-21-1991 16:22:58

AIRCRAFT ID NUMBER	AIRCRAFT AND ENGINE NAMES	AIRCRAFT CATEGORY
039	F28-4000/RB183MK555	JCOM

	DISTANCE FROM BRAKE RELEASE (FT)	HEIGHT (FT)	SPEED (KTAS)	THRUST (LB)
POINT 1	0	0	16	9786
POINT 2	3184	0	142	8851
POINT 3	7761	1000	144	8928
POINT 4	9922	1316	155	8874
POINT 5	12013	1527	171	8778
POINT 6	13013	1585	178	7797
POINT 7	14163	1652	186	7737
POINT 8	22415	3000	190	7871
POINT 9	35675	3607	264	7600
POINT 10	49994	5500	271	7789
POINT 11	66337	7500	280	7988
POINT 12	88795	10000	291	0

THRUST FOR LEVEL FLIGHT	GRADIENT AT TAKE-OFF POWER	TAKE-OFF THRUST	GRADIENT AT CLIMB POWER
2377	0.218499	8889	0.169155

CLIMB THRUST	GRADIENT AT FAR36 CUTBACK	THRUST FOR ENGINE OUT LEVEL FLIGHT	VZF (KCAS)
8018	0.072815	4754	182

NUMBER OF ENGINES	RATED THRUST LB	AIRCRAFT WEIGHT (LB)	STAGE NUMBER
2	9900	61000	1

TAKEOFF SEGMENTS DATA (HEADWIND = 8 KT) 06-21-1991 16:25:08

AIRCRAFT ID NUMBER	AIRCRAFT AND ENGINE NAMES	AIRCRAFT CATEGORY
039	F28-4000/RB183MK555	JCOM

AIRCRAFT WEIGHT	STAGE NUMBER	NUMBER OF ENGINES
66000	2	2

SEG. NO.	TYPE	FLAP	START ALT (FT)	END ALT (FT)	CALIBRATED START SPEED (KCAS)	CALIBRATED END SPEED (KCAS)	SEG. LNGTH (FT)	THRST (LB)	R/C (FPM)	GRAD
1	TKOFF	6	0	0	16	147	3746	8809	0	0.00000
2	CLIMB	6	0	1000	147	147	5159	8847	2912	0.19383
3	ACCEL	6	1000	1307	147	157	2356	8861	1941	0.12484
4	ACCEL	ZERO	1307	1527	157	172	2439	8789	1456	0.08591
5	ACCEL	ZERO	1527	1676	172	187	2644	7744	1000	0.05381
6	CLIMB	ZERO	1676	3000	187	187	9195	7781	2822	0.14394
7	ACCEL	ZERO	3000	3675	187	250	14911	7727	1000	0.04302
8	CLIMB	ZERO	3675	5500	250	250	15694	7698	3153	0.11631
9	CLIMB	ZERO	5500	7500	250	250	18613	7889	2999	0.10745
10	CLIMB	ZERO	7500	10000	250	250	25699	8113	2811	0.09728

SEG. NO.	TYPE	FLAP	THRUST TYPE	VALUE
1	TKOFF	6	MAX TKOFF	
2	CLIMB	6	MAX TKOFF	
3	ACCEL	6	MAX TKOFF	
4	ACCEL	ZERO	MAX TKOFF	
5	ACCEL	ZERO	MAX CLIMB	
6	CLIMB	ZERO	MAX CLIMB	
7	ACCEL	ZERO	MAX CLIMB	
8	CLIMB	ZERO	MAX CLIMB	
9	CLIMB	ZERO	MAX CLIMB	
10	CLIMB	ZERO	MAX CLIMB	

TAKEOFF PROFILE DATA (HEADWIND = 8 KT) 06-21-1991 16:25:11

AIRCRAFT ID NUMBER	AIRCRAFT AND ENGINE NAMES	AIRCRAFT CATEGORY
039	F28-4000/RB183MK555	JCOM

	DISTANCE FROM BRAKE RELEASE (FT)	HEIGHT (FT)	SPEED (KTAS)	THRUST (LB)
POINT 1	0	0	16	9786
POINT 2	3746	0	147	8809
POINT 3	8905	1000	149	8885
POINT 4	11261	1307	160	8836
POINT 5	13700	1527	176	8741
POINT 6	14700	1584	182	7773
POINT 7	16344	1676	192	7715
POINT 8	25539	3000	195	7847
POINT 9	40450	3675	264	7607
POINT 10	56144	5500	271	7789
POINT 11	74757	7500	280	7988
POINT 12	100456	10000	291	0

THRUST FOR LEVEL FLIGHT	GRADIENT AT TAKE-OFF POWER	TAKE-OFF THRUST	GRADIENT AT CLIMB POWER
2572	0.193829	8847	0.149281

CLIMB THRUST	GRADIENT AT FAR36 CUTBACK	THRUST FOR ENGINE OUT LEVEL FLIGHT	VZF (KCAS)
7991	0.072815	5144	187

NUMBER OF ENGINES	RATED THRUST LB	AIRCRAFT WEIGHT (LB)	STAGE NUMBER
2	9900	66000	2

TAKEOFF SEGMENTS DATA (HEADWIND = 8 KT) 06-21-1991 16:27:00

AIRCRAFT ID NUMBER	AIRCRAFT AND ENGINE NAMES	AIRCRAFT CATEGORY
039	F28-4000/RB183MK555	JCOM

AIRCRAFT WEIGHT	STAGE NUMBER	NUMBER OF ENGINES
73000	3	2

SEG. NO.	TYPE	FLAP	START ALT (FT)	END ALT (FT)	CALIBRATED START SPEED (KCAS)	CALIBRATED END SPEED (KCAS)	SEG. LNGTH (FT)	THRST (LB)	R/C (FPM)	GRAD
1	TKOFF	6	0	0	16	155	4612	8752	0	0.00000
2	CLIMB	6	0	1000	155	155	6044	8790	2614	0.16547
3	ACCEL	6	1000	1336	155	165	3017	8804	1743	0.10639
4	ACCEL	6	1336	1567	165	180	2995	8732	1307	0.07343
5	ACCEL	ZERO	1567	1760	180	195	3574	7711	1000	0.05146
6	CLIMB	ZERO	1760	3000	195	195	10230	7746	2479	0.12119
7	ACCEL	ZERO	3000	3766	195	250	17262	7712	1000	0.04222
8	CLIMB	ZERO	3766	5500	250	250	17717	7702	2654	0.09785
9	CLIMB	ZERO	5500	7500	250	250	22204	7889	2514	0.09008
10	CLIMB	ZERO	7500	10000	250	250	30893	8113	2338	0.08092

SEG. NO.	TYPE	FLAP	THRUST TYPE	VALUE
1	TKOFF	6	MAX TKOFF	
2	CLIMB	6	MAX TKOFF	
3	ACCEL	6	MAX TKOFF	
4	ACCEL	6	MAX TKOFF	
5	ACCEL	ZERO	MAX CLIMB	
6	CLIMB	ZERO	MAX CLIMB	
7	ACCEL	ZERO	MAX CLIMB	
8	CLIMB	ZERO	MAX CLIMB	
9	CLIMB	ZERO	MAX CLIMB	
10	CLIMB	ZERO	MAX CLIMB	

TAKEOFF PROFILE DATA (HEADWIND = 8 KT) 06-21-1991 16:27:03

AIRCRAFT ID NUMBER	AIRCRAFT AND ENGINE NAMES	AIRCRAFT CATEGORY
039	F28-4000/RB183MK555	JCOM

	DISTANCE FROM BRAKE RELEASE (FT)	HEIGHT (FT)	SPEED (KTAS)	THRUST (LB)
POINT 1	0	0	16	9786
POINT 2	4612	0	155	8752
POINT 3	10656	1000	157	8829
POINT 4	13673	1336	168	8779
POINT 5	16668	1567	184	8685
POINT 6	17668	1621	189	7738
POINT 7	20242	1760	200	7684
POINT 8	30472	3000	204	7808
POINT 9	47734	3766	264	7616
POINT 10	65451	5500	271	7789
POINT 11	87654	7500	280	7988
POINT 12	118547	10000	291	0

THRUST FOR LEVEL FLIGHT	GRADIENT AT TAKE-OFF POWER	TAKE-OFF THRUST	GRADIENT AT CLIMB POWER
2845	0.165467	8790	0.126291

CLIMB THRUST	GRADIENT AT FAR36 CUTBACK	THRUST FOR ENGINE OUT LEVEL FLIGHT	VZF (KCAS)
7954	0.072815	5690	195

NUMBER OF ENGINES	RATED THRUST LB	AIRCRAFT WEIGHT (LB)	STAGE NUMBER
2	9900	73000	3

APPROACH PROFILE DATA (HEADWIND = 8 KT) 02-15-1992 15:25:30

AIRCRAFT ID NUMBER	AIRCRAFT AND ENGINE NAMES	AIRCRAFT CATEGORY
039	F28-4000/RB183MK555	JCOM

	DISTANCE FROM RW THRESHOLD (FT)	HEIGHT (FT)	SPEED (KTAS)	THRUST (LB)	FLAPS
POINT 1	113533	6000	273	887	ZERO
POINT 2	56289	3000	161	1487	INT2
POINT 3	27668	1500	137	2064	U INTR
POINT 4	18127	1000	125	3317	D 42
POINT 5	-954	0	124	3199	D 42
POINT 6	-1178	0	117	5940	
POINT 7	-3191	0	30	990	

NUMBER OF ENGINES	RATED THRUST LB	AIRCRAFT WEIGHT (LB)	GLIDE SLOPE
2	9900	57600	3.00

TAKEOFF SEGMENTS DATA (HEADWIND = 8 KT) 06-21-1991 10:34:29

AIRCRAFT ID NUMBER	AIRCRAFT AND ENGINE NAMES	AIRCRAFT CATEGORY
040	DC9-30/JT8D-9	JCOM

AIRCRAFT WEIGHT	STAGE NUMBER	NUMBER OF ENGINES
93500	1	2

SEG. NO.	TYPE	FLAP	START ALT (FT)	END ALT (FT)	CALIBRATED START SPEED (KCAS)	CALIBRATED END SPEED (KCAS)	SEG. LNGTH (FT)	THRST (LB)	R/C (FPM)	GRAD
1	TKOFF	15	0	0	16	144	3634	12639	0	0.00000
2	CLIMB	15	0	1000	144	144	5637	12635	2611	0.17740
3	ACCEL	15	1000	1304	144	154	2547	12618	1741	0.11408
4	ACCEL	5	1304	1435	154	164	1562	12593	1306	0.07975
5	ACCEL	INT	1435	1783	164	199	6231	11010	1000	0.05320
6	CLIMB	ZERO	1783	3000	199	199	8146	10950	3119	0.14940
7	ACCEL	ZERO	3000	3503	199	250	11405	10866	1000	0.04194
8	CLIMB	ZERO	3503	5500	250	250	16427	10779	3291	0.12156
9	CLIMB	ZERO	5500	7500	250	250	18601	10759	3001	0.10752
10	CLIMB	ZERO	7500	10000	250	250	26923	10737	2683	0.09286

SEG. NO.	TYPE	FLAP	THRUST TYPE	VALUE
1	TKOFF	15	MAX TKOFF	
2	CLIMB	15	MAX TKOFF	
3	ACCEL	15	MAX TKOFF	
4	ACCEL	5	MAX TKOFF	
5	ACCEL	INT	MAX CLIMB	
6	CLIMB	ZERO	MAX CLIMB	
7	ACCEL	ZERO	MAX CLIMB	
8	CLIMB	ZERO	MAX CLIMB	
9	CLIMB	ZERO	MAX CLIMB	
10	CLIMB	ZERO	MAX CLIMB	

TAKEOFF PROFILE DATA (HEADWIND = 8 KT) 06-21-1991 10:34:33

AIRCRAFT ID NUMBER	AIRCRAFT AND ENGINE NAMES	AIRCRAFT CATEGORY
040	DC9-30/JT8D-9	JCOM

	DISTANCE FROM BRAKE RELEASE (FT)	HEIGHT (FT)	SPEED (KTAS)	THRUST (LB)
POINT 1	0	0	16	12935
POINT 2	3634	0	144	12639
POINT 3	9271	1000	146	12630
POINT 4	11818	1304	157	12606
POINT 5	13380	1435	167	12581
POINT 6	14380	1490	173	11063
POINT 7	19611	1783	204	10957
POINT 8	27757	3000	208	10944
POINT 9	39162	3503	263	10789
POINT 10	55589	5500	271	10769
POINT 11	74190	7500	280	10749
POINT 12	101114	10000	291	0

THRUST FOR LEVEL FLIGHT	GRADIENT AT TAKE-OFF POWER	TAKE-OFF THRUST	GRADIENT AT CLIMB POWER
4499	0.177397	12635	0.126754

CLIMB THRUST	GRADIENT AT FAR36 CUTBACK	THRUST FOR ENGINE OUT LEVEL FLIGHT	VZF (KCAS)
11111	0.090040	8999	199

NUMBER OF ENGINES	RATED THRUST LB	AIRCRAFT WEIGHT (LB)	STAGE NUMBER
2	14500	93500	1

TAKEOFF SEGMENTS DATA (HEADWIND = 8 KT) 06-21-1991 10:35:59

AIRCRAFT ID NUMBER	AIRCRAFT AND ENGINE NAMES	AIRCRAFT CATEGORY
040	DC9-30/JT8D-9	JCOM

AIRCRAFT WEIGHT	STAGE NUMBER	NUMBER OF ENGINES
103000	2	2

SEG. NO.	TYPE	FLAP	START ALT (FT)	END ALT (FT)	CALIBRATED START SPEED (KCAS)	CALIBRATED END SPEED (KCAS)	SEG. LNGTH (FT)	THRST (LB)	R/C (FPM)	GRAD
1	TKOFF	15	0	0	16	151	4416	12622	0	0.00000
2	CLIMB	15	0	1000	151	151	6608	12618	2338	0.15133
3	ACCEL	15	1000	1316	151	161	3099	12602	1559	0.09735
4	ACCEL	5	1316	1452	161	171	1899	12577	1169	0.06830
5	ACCEL	INT	1452	1897	171	206	8272	10989	1000	0.05116
6	CLIMB	ZERO	1897	3000	206	206	9168	10929	2602	0.12029
7	ACCEL	ZERO	3000	3544	206	250	12524	10856	1000	0.04128
8	CLIMB	ZERO	3544	5500	250	250	18814	10778	2816	0.10398
9	CLIMB	ZERO	5500	7500	250	250	21875	10759	2552	0.09143
10	CLIMB	ZERO	7500	10000	250	250	31980	10737	2259	0.07817

SEG. NO.	TYPE	FLAP	THRUST TYPE	VALUE
1	TKOFF	15	MAX TKOFF	
2	CLIMB	15	MAX TKOFF	
3	ACCEL	15	MAX TKOFF	
4	ACCEL	5	MAX TKOFF	
5	ACCEL	INT	MAX CLIMB	
6	CLIMB	ZERO	MAX CLIMB	
7	ACCEL	ZERO	MAX CLIMB	
8	CLIMB	ZERO	MAX CLIMB	
9	CLIMB	ZERO	MAX CLIMB	
10	CLIMB	ZERO	MAX CLIMB	

TAKEOFF PROFILE DATA (HEADWIND = 8 KT) 06-21-1991 10:36:02

AIRCRAFT ID NUMBER	AIRCRAFT AND ENGINE NAMES	AIRCRAFT CATEGORY
040	DC9-30/JT8D-9	JCOM

	DISTANCE FROM BRAKE RELEASE (FT)	HEIGHT (FT)	SPEED (KTAS)	THRUST (LB)
POINT 1	0	0	16	12935
POINT 2	4416	0	151	12622
POINT 3	11024	1000	154	12614
POINT 4	14123	1316	164	12589
POINT 5	16022	1452	175	12565
POINT 6	17022	1506	179	11043
POINT 7	24293	1897	212	10935
POINT 8	33462	3000	215	10923
POINT 9	45986	3544	263	10788
POINT 10	64800	5500	271	10769
POINT 11	86675	7500	280	10749
POINT 12	118655	10000	291	0

THRUST FOR LEVEL FLIGHT	GRADIENT AT TAKE-OFF POWER	TAKE-OFF THRUST	GRADIENT AT CLIMB POWER
4956	0.151329	12618	0.105742

CLIMB THRUST	GRADIENT AT FAR36 CUTBACK	THRUST FOR ENGINE OUT LEVEL FLIGHT	VZF (KCAS)
11089	0.090040	9913	206

NUMBER OF ENGINES	RATED THRUST LB	AIRCRAFT WEIGHT (LB)	STAGE NUMBER
2	14500	103000	2

TAKEOFF SEGMENTS DATA (HEADWIND = 8 KT) 06-21-1991 10:38:54

AIRCRAFT ID NUMBER	AIRCRAFT AND ENGINE NAMES	AIRCRAFT CATEGORY
040	DC9-30/JT8D-9	JCOM

AIRCRAFT WEIGHT	STAGE NUMBER	NUMBER OF ENGINES
112000	3	2

SEG. NO.	TYPE	FLAP	START ALT (FT)	END ALT (FT)	CALIBRATED START SPEED (KCAS)	CALIBRATED END SPEED (KCAS)	SEG. LNGTH (FT)	THRST (LB)	R/C (FPM)	GRAD
1	TKOFF	15	0	0	16	158	5227	12607	0	0.00000
2	CLIMB	15	0	1000	158	158	7637	12603	2109	0.13094
3	ACCEL	15	1000	1350	158	168	3970	12586	1406	0.08404
4	ACCEL	5	1350	1491	168	178	2276	12561	1055	0.05908
5	ACCEL	INT	1491	2061	178	213	11003	10967	1000	0.04925
6	CLIMB	ZERO	2061	3000	213	213	9001	10908	2336	0.10433
7	ACCEL	ZERO	3000	3570	213	250	13338	10845	1000	0.04065
8	CLIMB	ZERO	3570	5500	250	250	21400	10778	2442	0.09017
9	CLIMB	ZERO	5500	7500	250	250	25396	10759	2198	0.07875
10	CLIMB	ZERO	7500	10000	250	250	37539	10737	1924	0.06660

SEG. NO.	TYPE	FLAP	THRUST TYPE	VALUE
1	TKOFF	15	MAX TKOFF	
2	CLIMB	15	MAX TKOFF	
3	ACCEL	15	MAX TKOFF	
4	ACCEL	5	MAX TKOFF	
5	ACCEL	INT	MAX CLIMB	
6	CLIMB	ZERO	MAX CLIMB	
7	ACCEL	ZERO	MAX CLIMB	
8	CLIMB	ZERO	MAX CLIMB	
9	CLIMB	ZERO	MAX CLIMB	
10	CLIMB	ZERO	MAX CLIMB	

TAKEOFF PROFILE DATA (HEADWIND = 8 KT) 06-21-1991 10:38:57

AIRCRAFT ID NUMBER	AIRCRAFT AND ENGINE NAMES	AIRCRAFT CATEGORY
040	DC9-30/JT8D-9	JCOM

	DISTANCE FROM BRAKE RELEASE (FT)	HEIGHT (FT)	SPEED (KTAS)	THRUST (LB)
POINT 1	0	0	16	12935
POINT 2	5227	0	158	12607
POINT 3	12864	1000	160	12599
POINT 4	16834	1350	171	12573
POINT 5	19110	1491	182	12549
POINT 6	20110	1543	185	11022
POINT 7	30113	2061	220	10912
POINT 8	39114	3000	223	10903
POINT 9	52453	3570	264	10788
POINT 10	73853	5500	271	10769
POINT 11	99249	7500	280	10749
POINT 12	136788	10000	291	0

THRUST FOR LEVEL FLIGHT	GRADIENT AT TAKE-OFF POWER	TAKE-OFF THRUST	GRADIENT AT CLIMB POWER
5390	0.130939	12603	0.089238

CLIMB THRUST	GRADIENT AT FAR36 CUTBACK	THRUST FOR ENGINE OUT LEVEL FLIGHT	VZF (KCAS)
11070	0.090040	10779	213

NUMBER OF ENGINES	RATED THRUST LB	AIRCRAFT WEIGHT (LB)	STAGE NUMBER
2	14500	112000	3

APPROACH PROFILE DATA (HEADWIND = 8 KT) 02-15-1992 13:31:58

AIRCRAFT ID NUMBER	AIRCRAFT AND ENGINE NAMES	AIRCRAFT CATEGORY
040	DC9-30/JT8D-9	JCOM

	DISTANCE FROM RW THRESHOLD (FT)	HEIGHT (FT)	SPEED (KTAS)	THRUST (LB)	FLAPS
POINT 1	113533	6000	273	1008	ZERO
POINT 2	56289	3000	170	1750	5
POINT 3	27668	1500	156	2020	U 15
POINT 4	18127	1000	145	4010	D 35
POINT 5	-954	0	142	3868	D 35
POINT 6	-1280	0	135	8700	
POINT 7	-4212	0	30	1450	

NUMBER OF ENGINES	RATED THRUST LB	AIRCRAFT WEIGHT (LB)	GLIDE SLOPE
2	14500	91800	3.00

TAKEOFF SEGMENTS DATA (HEADWIND = 8 KT) 06-21-1991 10:12:08

AIRCRAFT ID NUMBER	AIRCRAFT AND ENGINE NAMES	AIRCRAFT CATEGORY
041	DC9-10/JT8D-7	JCOM

AIRCRAFT WEIGHT	STAGE NUMBER	NUMBER OF ENGINES
70000	1	2

SEG. NO.	TYPE	FLAP	START ALT (FT)	END ALT (FT)	CALIBRATED START SPEED (KCAS)	CALIBRATED END SPEED (KCAS)	SEG. LNGTH (FT)	THRST (LB)	R/C (FPM)	GRAD
1	TKOFF	15	0	0	16	126	2124	12248	0	0.00000
2	CLIMB	15	0	1000	126	126	3740	12249	3444	0.26738
3	ACCEL	15	1000	1269	126	136	1502	12247	2296	0.17254
4	ACCEL	5	1269	1383	136	146	918	12243	1722	0.11911
5	ACCEL	INT	1383	1590	146	181	3326	10683	1000	0.05919
6	CLIMB	ZERO	1590	3000	181	181	6722	10622	3977	0.20975
7	ACCEL	ZERO	3000	3438	181	250	9535	10508	1000	0.04371
8	CLIMB	ZERO	3438	5500	250	250	12156	10390	4589	0.16961
9	CLIMB	ZERO	5500	7500	250	250	13258	10369	4210	0.15085
10	CLIMB	ZERO	7500	10000	250	250	18987	10347	3804	0.13167

SEG. NO.	TYPE	FLAP	THRUST TYPE	VALUE
1	TKOFF	15	MAX TKOFF	
2	CLIMB	15	MAX TKOFF	
3	ACCEL	15	MAX TKOFF	
4	ACCEL	5	MAX TKOFF	
5	ACCEL	INT	MAX CLIMB	
6	CLIMB	ZERO	MAX CLIMB	
7	ACCEL	ZERO	MAX CLIMB	
8	CLIMB	ZERO	MAX CLIMB	
9	CLIMB	ZERO	MAX CLIMB	
10	CLIMB	ZERO	MAX CLIMB	

TAKEOFF PROFILE DATA (HEADWIND = 8 KT) 06-21-1991 10:12:14

AIRCRAFT ID NUMBER	AIRCRAFT AND ENGINE NAMES	AIRCRAFT CATEGORY
041	DC9-10/JT8D-7	JCOM

	DISTANCE FROM BRAKE RELEASE (FT)	HEIGHT (FT)	SPEED (KTAS)	THRUST (LB)
POINT 1	0	0	16	12301
POINT 2	2124	0	126	12248
POINT 3	5864	1000	128	12250
POINT 4	7366	1269	139	12245
POINT 5	8284	1383	149	12241
POINT 6	9284	1445	160	10737
POINT 7	11610	1590	185	10629
POINT 8	18332	3000	189	10614
POINT 9	27867	3438	263	10401
POINT 10	40023	5500	271	10380
POINT 11	53281	7500	280	10359
POINT 12	72268	10000	291	0

THRUST FOR LEVEL FLIGHT	GRADIENT AT TAKE-OFF POWER	TAKE-OFF THRUST	GRADIENT AT CLIMB POWER
3204	0.267378	12249	0.199162

CLIMB THRUST	GRADIENT AT FAR36 CUTBACK	THRUST FOR ENGINE OUT LEVEL FLIGHT	VZF (KCAS)
10785	0.085601	6407	181

NUMBER OF ENGINES	RATED THRUST LB	AIRCRAFT WEIGHT (LB)	STAGE NUMBER
2	14000	70000	1

TAKEOFF SEGMENTS DATA (HEADWIND = 8 KT) 06-21-1991 10:13:22

AIRCRAFT ID NUMBER	AIRCRAFT AND ENGINE NAMES	AIRCRAFT CATEGORY
041	DC9-10/JT8D-7	JCOM

AIRCRAFT WEIGHT	STAGE NUMBER	NUMBER OF ENGINES
78000	2	2

SEG. NO.	TYPE	FLAP	START ALT (FT)	END ALT (FT)	CALIBRATED START SPEED (KCAS)	CALIBRATED END SPEED (KCAS)	SEG. LNGTH (FT)	THRST (LB)	R/C (FPM)	GRAD
1	TKOFF	15	0	0	16	133	2638	12244	0	0.00000
2	CLIMB	15	0	1000	133	133	4379	12245	3105	0.22834
3	ACCEL	15	1000	1279	133	143	1823	12244	2070	0.14707
4	ACCEL	5	1279	1398	143	153	1109	12240	1553	0.10213
5	ACCEL	INT	1398	1652	153	188	4267	10662	1000	0.05671
6	CLIMB	ZERO	1652	3000	188	188	7558	10600	3514	0.17833
7	ACCEL	ZERO	3000	3485	188	250	10733	10497	1000	0.04300
8	CLIMB	ZERO	3485	5500	250	250	13996	10390	3896	0.14395
9	CLIMB	ZERO	5500	7500	250	250	15688	10369	3558	0.12749
10	CLIMB	ZERO	7500	10000	250	250	22641	10347	3190	0.11042

SEG. NO.	TYPE	FLAP	THRUST TYPE	VALUE
1	TKOFF	15	MAX TKOFF	
2	CLIMB	15	MAX TKOFF	
3	ACCEL	15	MAX TKOFF	
4	ACCEL	5	MAX TKOFF	
5	ACCEL	INT	MAX CLIMB	
6	CLIMB	ZERO	MAX CLIMB	
7	ACCEL	ZERO	MAX CLIMB	
8	CLIMB	ZERO	MAX CLIMB	
9	CLIMB	ZERO	MAX CLIMB	
10	CLIMB	ZERO	MAX CLIMB	

TAKEOFF PROFILE DATA (HEADWIND = 8 KT) 06-21-1991 10:13:25

AIRCRAFT ID NUMBER	AIRCRAFT AND ENGINE NAMES	AIRCRAFT CATEGORY
041	DC9-10/JT8D-7	JCOM

	DISTANCE FROM BRAKE RELEASE (FT)	HEIGHT (FT)	SPEED (KTAS)	THRUST (LB)
POINT 1	0	0	16	12301
POINT 2	2638	0	133	12244
POINT 3	7017	1000	135	12246
POINT 4	8840	1279	146	12242
POINT 5	9949	1398	156	12237
POINT 6	10949	1457	165	10716
POINT 7	14216	1652	193	10607
POINT 8	21775	3000	197	10593
POINT 9	32507	3485	263	10400
POINT 10	46504	5500	271	10380
POINT 11	62191	7500	280	10359
POINT 12	84832	10000	291	0

THRUST FOR LEVEL FLIGHT	GRADIENT AT TAKE-OFF POWER	TAKE-OFF THRUST	GRADIENT AT CLIMB POWER
3570	0.228344	12245	0.167999

CLIMB THRUST	GRADIENT AT FAR36 CUTBACK	THRUST FOR ENGINE OUT LEVEL FLIGHT	VZF (KCAS)
10764	0.085601	7140	188

NUMBER OF ENGINES	RATED THRUST LB	AIRCRAFT WEIGHT (LB)	STAGE NUMBER
2	14000	78000	2

TAKEOFF SEGMENTS DATA (HEADWIND = 8 KT) 06-21-1991 10:14:38

AIRCRAFT ID NUMBER	AIRCRAFT AND ENGINE NAMES	AIRCRAFT CATEGORY
041	DC9-10/JT8D-7	JCOM

AIRCRAFT WEIGHT	STAGE NUMBER	NUMBER OF ENGINES
85000	3	2

SEG. NO.	TYPE	FLAP	START ALT (FT)	END ALT (FT)	CALIBRATED START SPEED (KCAS)	CALIBRATED END SPEED (KCAS)	SEG. LNGTH (FT)	THRST (LB)	R/C (FPM)	GRAD
1	TKOFF	15	0	0	16	139	3133	12242	0	0.00000
2	CLIMB	15	0	1000	139	139	4979	12243	2851	0.20083
3	ACCEL	15	1000	1294	139	149	2183	12241	1901	0.12918
4	ACCEL	5	1294	1417	149	159	1296	12237	1426	0.09000
5	ACCEL	INT	1417	1721	159	194	5293	10643	1000	0.05474
6	CLIMB	ZERO	1721	3000	194	194	8200	10582	3173	0.15595
7	ACCEL	ZERO	3000	3526	194	250	11795	10487	1000	0.04240
8	CLIMB	ZERO	3526	5500	250	250	15713	10390	3402	0.12563
9	CLIMB	ZERO	5500	7500	250	250	18053	10369	3092	0.11078
10	CLIMB	ZERO	7500	10000	250	250	26260	10347	2751	0.09520

SEG. NO.	TYPE	FLAP	THRUST TYPE	VALUE
1	TKOFF	15	MAX TKOFF	
2	CLIMB	15	MAX TKOFF	
3	ACCEL	15	MAX TKOFF	
4	ACCEL	5	MAX TKOFF	
5	ACCEL	INT	MAX CLIMB	
6	CLIMB	ZERO	MAX CLIMB	
7	ACCEL	ZERO	MAX CLIMB	
8	CLIMB	ZERO	MAX CLIMB	
9	CLIMB	ZERO	MAX CLIMB	
10	CLIMB	ZERO	MAX CLIMB	

TAKEOFF PROFILE DATA (HEADWIND = 8 KT) 06-21-1991 10:14:41

AIRCRAFT ID NUMBER	AIRCRAFT AND ENGINE NAMES	AIRCRAFT CATEGORY
041	DC9-10/JT8D-7	JCOM

	DISTANCE FROM BRAKE RELEASE (FT)	HEIGHT (FT)	SPEED (KTAS)	THRUST (LB)
POINT 1	0	0	16	12301
POINT 2	3133	0	139	12242
POINT 3	8113	1000	141	12243
POINT 4	10295	1294	152	12239
POINT 5	11591	1417	162	12235
POINT 6	12591	1474	169	10698
POINT 7	16884	1721	199	10589
POINT 8	25084	3000	203	10575
POINT 9	36880	3526	263	10400
POINT 10	52593	5500	271	10380
POINT 11	70646	7500	280	10359
POINT 12	96906	10000	291	0

THRUST FOR LEVEL FLIGHT	GRADIENT AT TAKE-OFF POWER	TAKE-OFF THRUST	GRADIENT AT CLIMB POWER
3890	0.200831	12243	0.145860

CLIMB THRUST	GRADIENT AT FAR36 CUTBACK	THRUST FOR ENGINE OUT LEVEL FLIGHT	VZF (KCAS)
10746	0.085601	7780	194

NUMBER OF ENGINES	RATED THRUST LB	AIRCRAFT WEIGHT (LB)	STAGE NUMBER
2	14000	85000	3

APPROACH PROFILE DATA (HEADWIND = 8 KT) 02-15-1992 13:29:44

AIRCRAFT ID NUMBER	AIRCRAFT AND ENGINE NAMES	AIRCRAFT CATEGORY
041	DC9-10/JT8D-7	JCOM

	DISTANCE FROM RW THRESHOLD (FT)	HEIGHT (FT)	SPEED (KTAS)	THRUST (LB)	FLAPS
POINT 1	113533	6000	273	1152	ZERO
POINT 2	56289	3000	157	1097	5
POINT 3	27668	1500	143	1442	U 15
POINT 4	18127	1000	132	3176	D 35
POINT 5	-954	0	130	3064	D 35
POINT 6	-1311	0	123	8400	
POINT 7	-4527	0	30	1400	

NUMBER OF ENGINES	RATED THRUST LB	AIRCRAFT WEIGHT (LB)	GLIDE SLOPE
2	14000	73500	3.00

TAKEOFF SEGMENTS DATA (HEADWIND = 8 KT) 06-19-1991 17:19:01

AIRCRAFT ID NUMBER	AIRCRAFT AND ENGINE NAMES	AIRCRAFT CATEGORY
042	B737/JT8D-9	JCOM

AIRCRAFT WEIGHT	STAGE NUMBER	NUMBER OF ENGINES
82000	1	2

SEG. NO.	TYPE	FLAP	START ALT (FT)	END ALT (FT)	CALIBRATED START SPEED (KCAS)	CALIBRATED END SPEED (KCAS)	SEG. LNGTH (FT)	THRST (LB)	R/C (FPM)	GRAD
1	TKOFF	5	0	0	16	136	3075	12673	0	0.00000
2	CLIMB	5	0	1000	136	136	4430	12659	3135	0.22572
3	ACCEL	5	1000	1296	136	146	1955	12597	2090	0.14535
4	ACCEL	INT	1296	1603	146	171	3047	12438	1568	0.09605
5	ACCEL	ZERO	1603	1855	171	210	4739	11181	1000	0.05059
6	CLIMB	ZERO	1855	3000	210	210	6544	11006	3858	0.17501
7	ACCEL	ZERO	3000	3288	210	250	6688	10827	1000	0.04101
8	CLIMB	ZERO	3288	5500	250	250	14721	10631	4060	0.15023
9	CLIMB	ZERO	5500	7500	250	250	15089	10565	3699	0.13254
10	CLIMB	ZERO	7500	10000	250	250	21723	10490	3325	0.11509

SEG. NO.	TYPE	FLAP	THRUST TYPE	VALUE
1	TKOFF	5	MAX TKOFF	
2	CLIMB	5	MAX TKOFF	
3	ACCEL	5	MAX TKOFF	
4	ACCEL	INT	MAX TKOFF	
5	ACCEL	ZERO	MAX CLIMB	
6	CLIMB	ZERO	MAX CLIMB	
7	ACCEL	ZERO	MAX CLIMB	
8	CLIMB	ZERO	MAX CLIMB	
9	CLIMB	ZERO	MAX CLIMB	
10	CLIMB	ZERO	MAX CLIMB	

TAKEOFF PROFILE DATA (HEADWIND = 8 KT) 06-19-1991 17:19:04

AIRCRAFT ID NUMBER	AIRCRAFT AND ENGINE NAMES	AIRCRAFT CATEGORY
042	B737/JT8D-9	JCOM

	DISTANCE FROM BRAKE RELEASE (FT)	HEIGHT (FT)	SPEED (KTAS)	THRUST (LB)
POINT 1	0	0	16	13710
POINT 2	3075	0	136	12673
POINT 3	7506	1000	138	12644
POINT 4	9461	1296	149	12550
POINT 5	12508	1603	175	12325
POINT 6	13508	1656	184	11339
POINT 7	17247	1855	216	11023
POINT 8	23791	3000	220	10990
POINT 9	30480	3288	262	10664
POINT 10	45200	5500	271	10597
POINT 11	60290	7500	280	10532
POINT 12	82012	10000	291	0

THRUST FOR LEVEL FLIGHT	GRADIENT AT TAKE-OFF POWER	TAKE-OFF THRUST	GRADIENT AT CLIMB POWER
3636	0.225720	12659	0.177326

CLIMB THRUST	GRADIENT AT FAR36 CUTBACK	THRUST FOR ENGINE OUT LEVEL FLIGHT	VZF (KCAS)
11590	0.082928	7273	210

NUMBER OF ENGINES	RATED THRUST LB	AIRCRAFT WEIGHT (LB)	STAGE NUMBER
2	14500	82000	1

TAKEOFF SEGMENTS DATA (HEADWIND = 8 KT) 06-19-1991 17:20:26

AIRCRAFT ID NUMBER	AIRCRAFT AND ENGINE NAMES	AIRCRAFT CATEGORY
042	B737/JT8D-9	JCOM

AIRCRAFT WEIGHT	STAGE NUMBER	NUMBER OF ENGINES
85000	2	2

SEG. NO.	TYPE	FLAP	START ALT (FT)	END ALT (FT)	CALIBRATED START SPEED (KCAS)	CALIBRATED END SPEED (KCAS)	SEG. LNGTH (FT)	THRST (LB)	R/C (FPM)	GRAD
1	TKOFF	5	0	0	16	139	3310	12652	0	0.00000
2	CLIMB	5	0	1000	139	139	4682	12638	3021	0.21359
3	ACCEL	5	1000	1317	139	149	2212	12573	2014	0.13722
4	ACCEL	INT	1317	1628	149	174	3270	12411	1511	0.09077
5	ACCEL	ZERO	1628	1877	174	210	4723	11168	1000	0.05018
6	CLIMB	ZERO	1877	3000	210	210	6753	11006	3666	0.16630
7	ACCEL	ZERO	3000	3309	210	250	7164	10827	1000	0.04100
8	CLIMB	ZERO	3309	5500	250	250	15375	10631	3852	0.14251
9	CLIMB	ZERO	5500	7500	250	250	15926	10565	3505	0.12558
10	CLIMB	ZERO	7500	10000	250	250	22982	10490	3143	0.10878

SEG. NO.	TYPE	FLAP	THRUST TYPE	VALUE
1	TKOFF	5	MAX TKOFF	
2	CLIMB	5	MAX TKOFF	
3	ACCEL	5	MAX TKOFF	
4	ACCEL	INT	MAX TKOFF	
5	ACCEL	ZERO	MAX CLIMB	
6	CLIMB	ZERO	MAX CLIMB	
7	ACCEL	ZERO	MAX CLIMB	
8	CLIMB	ZERO	MAX CLIMB	
9	CLIMB	ZERO	MAX CLIMB	
10	CLIMB	ZERO	MAX CLIMB	

TAKEOFF PROFILE DATA (HEADWIND = 8 KT) 06-19-1991 17:20:29

AIRCRAFT ID NUMBER	AIRCRAFT AND ENGINE NAMES	AIRCRAFT CATEGORY
042	B737/JT8D-9	JCOM

	DISTANCE FROM BRAKE RELEASE (FT)	HEIGHT (FT)	SPEED (KTAS)	THRUST (LB)
POINT 1	0	0	16	13710
POINT 2	3310	0	139	12652
POINT 3	7992	1000	141	12623
POINT 4	10204	1317	152	12524
POINT 5	13475	1628	178	12299
POINT 6	14475	1681	186	11315
POINT 7	18198	1877	216	11022
POINT 8	24951	3000	220	10990
POINT 9	32115	3309	263	10663
POINT 10	47490	5500	271	10597
POINT 11	63416	7500	280	10532
POINT 12	86399	10000	291	0

THRUST FOR LEVEL FLIGHT	GRADIENT AT TAKE-OFF POWER	TAKE-OFF THRUST	GRADIENT AT CLIMB POWER
3769	0.213585	12638	0.167268

CLIMB THRUST	GRADIENT AT FAR36 CUTBACK	THRUST FOR ENGINE OUT LEVEL FLIGHT	VZF (KCAS)
11571	0.082928	7539	210

NUMBER OF ENGINES	RATED THRUST LB	AIRCRAFT WEIGHT (LB)	STAGE NUMBER
2	14500	85000	2

TAKEOFF SEGMENTS DATA (HEADWIND = 8 KT) 06-19-1991 17:22:00

AIRCRAFT ID NUMBER	AIRCRAFT AND ENGINE NAMES	AIRCRAFT CATEGORY
042	B737/JT8D-9	JCOM

AIRCRAFT WEIGHT	STAGE NUMBER	NUMBER OF ENGINES
92000	3	2

SEG. NO.	TYPE	FLAP	START ALT (FT)	END ALT (FT)	CALIBRATED START SPEED (KCAS)	CALIBRATED END SPEED (KCAS)	SEG. LNGTH (FT)	THRST (LB)	R/C (FPM)	GRAD
1	TKOFF	5	0	0	16	144	3893	12604	0	0.00000
2	CLIMB	5	0	1000	144	144	5301	12589	2776	0.18866
3	ACCEL	5	1000	1311	144	154	2450	12528	1851	0.12140
4	ACCEL	INT	1311	1632	154	179	3788	12368	1388	0.08081
5	ACCEL	ZERO	1632	1882	179	210	4811	11148	1000	0.04953
6	CLIMB	ZERO	1882	3000	210	210	7525	11006	3274	0.14851
7	ACCEL	ZERO	3000	3363	210	250	8409	10826	1000	0.04099
8	CLIMB	ZERO	3363	5500	250	250	16897	10630	3421	0.12650
9	CLIMB	ZERO	5500	7500	250	250	17993	10565	3102	0.11115
10	CLIMB	ZERO	7500	10000	250	250	26123	10490	2765	0.09570

SEG. NO.	TYPE	FLAP	THRUST TYPE	VALUE
1	TKOFF	5	MAX TKOFF	
2	CLIMB	5	MAX TKOFF	
3	ACCEL	5	MAX TKOFF	
4	ACCEL	INT	MAX TKOFF	
5	ACCEL	ZERO	MAX CLIMB	
6	CLIMB	ZERO	MAX CLIMB	
7	ACCEL	ZERO	MAX CLIMB	
8	CLIMB	ZERO	MAX CLIMB	
9	CLIMB	ZERO	MAX CLIMB	
10	CLIMB	ZERO	MAX CLIMB	

TAKEOFF PROFILE DATA (HEADWIND = 8 KT) 06-19-1991 17:22:03

AIRCRAFT ID NUMBER	AIRCRAFT AND ENGINE NAMES	AIRCRAFT CATEGORY
042	B737/JT8D-9	JCOM

	DISTANCE FROM BRAKE RELEASE (FT)	HEIGHT (FT)	SPEED (KTAS)	THRUST (LB)
POINT 1	0	0	16	13710
POINT 2	3893	0	144	12604
POINT 3	9193	1000	146	12574
POINT 4	11643	1311	157	12481
POINT 5	15431	1632	183	12255
POINT 6	16431	1684	190	11275
POINT 7	20242	1882	216	11022
POINT 8	27767	3000	220	10990
POINT 9	36176	3363	263	10662
POINT 10	53074	5500	271	10597
POINT 11	71067	7500	280	10532
POINT 12	97190	10000	291	0

THRUST FOR LEVEL FLIGHT	GRADIENT AT TAKE-OFF POWER	TAKE-OFF THRUST	GRADIENT AT CLIMB POWER
4080	0.188661	12589	0.146531

CLIMB THRUST	GRADIENT AT FAR36 CUTBACK	THRUST FOR ENGINE OUT LEVEL FLIGHT	VZF (KCAS)
11526	0.082928	8160	210

NUMBER OF ENGINES	RATED THRUST LB	AIRCRAFT WEIGHT (LB)	STAGE NUMBER
2	14500	92000	3

TAKEOFF SEGMENTS DATA (HEADWIND = 8 KT) 06-19-1991 17:23:10

AIRCRAFT ID NUMBER	AIRCRAFT AND ENGINE NAMES	AIRCRAFT CATEGORY
042	B737/JT8D-9	JCOM

AIRCRAFT WEIGHT	STAGE NUMBER	NUMBER OF ENGINES
100000	4	2

SEG. NO.	TYPE	FLAP	START ALT (FT)	END ALT (FT)	CALIBRATED START SPEED (KCAS)	CALIBRATED END SPEED (KCAS)	SEG. LNGTH (FT)	THRST (LB)	R/C (FPM)	GRAD
1	TKOFF	5	0	0	16	150	4618	12551	0	0.00000
2	CLIMB	5	0	1000	150	150	6067	12536	2528	0.16482
3	ACCEL	5	1000	1320	150	160	2883	12475	1685	0.10600
4	ACCEL	INT	1320	1652	160	185	4461	12316	1264	0.07096
5	ACCEL	ZERO	1652	1894	185	210	4706	11124	1000	0.04876
6	CLIMB	ZERO	1894	3000	210	210	8425	11006	2896	0.13133
7	ACCEL	ZERO	3000	3436	210	250	10123	10825	1000	0.04096
8	CLIMB	ZERO	3436	5500	250	250	18594	10629	3003	0.11100
9	CLIMB	ZERO	5500	7500	250	250	20575	10565	2713	0.09720
10	CLIMB	ZERO	7500	10000	250	250	30105	10490	2399	0.08304

SEG. NO.	TYPE	FLAP	THRUST TYPE	VALUE
1	TKOFF	5	MAX TKOFF	
2	CLIMB	5	MAX TKOFF	
3	ACCEL	5	MAX TKOFF	
4	ACCEL	INT	MAX TKOFF	
5	ACCEL	ZERO	MAX CLIMB	
6	CLIMB	ZERO	MAX CLIMB	
7	ACCEL	ZERO	MAX CLIMB	
8	CLIMB	ZERO	MAX CLIMB	
9	CLIMB	ZERO	MAX CLIMB	
10	CLIMB	ZERO	MAX CLIMB	

TAKEOFF PROFILE DATA (HEADWIND = 8 KT) 06-19-1991 17:23:13

AIRCRAFT ID NUMBER	AIRCRAFT AND ENGINE NAMES	AIRCRAFT CATEGORY
042	B737/JT8D-9	JCOM

	DISTANCE FROM BRAKE RELEASE (FT)	HEIGHT (FT)	SPEED (KTAS)	THRUST (LB)
POINT 1	0	0	16	13710
POINT 2	4618	0	150	12551
POINT 3	10686	1000	153	12522
POINT 4	13569	1320	163	12429
POINT 5	18030	1652	190	12203
POINT 6	19030	1704	195	11227
POINT 7	22736	1894	216	11022
POINT 8	31161	3000	220	10990
POINT 9	41283	3436	263	10660
POINT 10	59878	5500	271	10597
POINT 11	80453	7500	280	10532
POINT 12	110558	10000	291	0

THRUST FOR LEVEL FLIGHT	GRADIENT AT TAKE-OFF POWER	TAKE-OFF THRUST	GRADIENT AT CLIMB POWER
4435	0.164816	12536	0.126601

CLIMB THRUST	GRADIENT AT FAR36 CUTBACK	THRUST FOR ENGINE OUT LEVEL FLIGHT	VZF (KCAS)
11478	0.082928	8869	210

NUMBER OF ENGINES	RATED THRUST LB	AIRCRAFT WEIGHT (LB)	STAGE NUMBER
2	14500	100000	4

APPROACH PROFILE DATA (HEADWIND = 8 KT) 02-15-1992 12:50:28

AIRCRAFT ID NUMBER	AIRCRAFT AND ENGINE NAMES	AIRCRAFT CATEGORY
042	B737/JT8D-9	JCOM

	DISTANCE FROM RW THRESHOLD (FT)	HEIGHT (FT)	SPEED (KTAS)	THRUST (LB)	FLAPS
POINT 1	113533	6000	273	742	ZERO
POINT 2	56289	3000	178	1694	5
POINT 3	27668	1500	137	2901	D 25
POINT 4	18127	1000	133	3387	D 30
POINT 5	-954	0	131	3267	D 30
POINT 6	-1210	0	125	8700	
POINT 7	-3510	0	30	1450	

NUMBER OF ENGINES	RATED THRUST LB	AIRCRAFT WEIGHT (LB)	GLIDE SLOPE
2	14500	88200	3.00

TAKEOFF SEGMENTS DATA (HEADWIND = 8 KT) 01-31-1992 12:05:17

AIRCRAFT ID NUMBER	AIRCRAFT AND ENGINE NAMES	AIRCRAFT CATEGORY
043	DC9-30/JT8D-9QN	JCOM

AIRCRAFT WEIGHT	STAGE NUMBER	NUMBER OF ENGINES
93500	1	2

SEG. NO.	TYPE	FLAP	START ALT (FT)	END ALT (FT)	CALIBRATED START SPEED (KCAS)	CALIBRATED END SPEED (KCAS)	SEG. LNGTH (FT)	THRST (LB)	R/C (FPM)	GRAD
1	TKOFF	15	0	0	16	144	3634	12639	0	0.00000
2	CLIMB	15	0	1000	144	144	5637	12635	2611	0.17740
3	ACCEL	15	1000	1304	144	154	2547	12618	1741	0.11408
4	ACCEL	5	1304	1435	154	164	1562	12593	1306	0.07975
5	ACCEL	INT	1435	1783	164	199	6231	11010	1000	0.05320
6	CLIMB	ZERO	1783	3000	199	199	8146	10950	3119	0.14940
7	ACCEL	ZERO	3000	3503	199	250	11405	10866	1000	0.04194
8	CLIMB	ZERO	3503	5500	250	250	16427	10779	3291	0.12156
9	CLIMB	ZERO	5500	7500	250	250	18601	10759	3001	0.10752
10	CLIMB	ZERO	7500	10000	250	250	26923	10737	2683	0.09286

SEG. NO.	TYPE	FLAP	THRUST TYPE	VALUE
1	TKOFF	15	MAX TKOFF	
2	CLIMB	15	MAX TKOFF	
3	ACCEL	15	MAX TKOFF	
4	ACCEL	5	MAX TKOFF	
5	ACCEL	INT	MAX CLIMB	
6	CLIMB	ZERO	MAX CLIMB	
7	ACCEL	ZERO	MAX CLIMB	
8	CLIMB	ZERO	MAX CLIMB	
9	CLIMB	ZERO	MAX CLIMB	
10	CLIMB	ZERO	MAX CLIMB	

TAKEOFF PROFILE DATA (HEADWIND = 8 KT) 01-31-1992 12:05:32

AIRCRAFT ID NUMBER	AIRCRAFT AND ENGINE NAMES	AIRCRAFT CATEGORY
043	DC9-30/JT8D-9QN	JCOM

	DISTANCE FROM BRAKE RELEASE (FT)	HEIGHT (FT)	SPEED (KTAS)	THRUST (LB)
POINT 1	0	0	16	12935
POINT 2	3634	0	144	12639
POINT 3	9271	1000	146	12630
POINT 4	11818	1304	157	12605
POINT 5	13380	1435	167	12581
POINT 6	14380	1490	173	11063
POINT 7	19611	1783	204	10957
POINT 8	27757	3000	208	10944
POINT 9	39162	3503	263	10789
POINT 10	55589	5500	271	10769
POINT 11	74190	7500	280	10749
POINT 12	101114	10000	291	0

THRUST FOR LEVEL FLIGHT	GRADIENT AT TAKE-OFF POWER	TAKE-OFF THRUST	GRADIENT AT CLIMB POWER
4499	0.177396	12635	0.126754

CLIMB THRUST	GRADIENT AT FAR36 CUTBACK	THRUST FOR ENGINE OUT LEVEL FLIGHT	VZF (KCAS)
11111	0.090040	8999	199

NUMBER OF ENGINES	RATED THRUST LB	AIRCRAFT WEIGHT (LB)	STAGE NUMBER
2	14500	93500	1

TAKEOFF SEGMENTS DATA (HEADWIND = 8 KT) 01-31-1992 12:07:16

AIRCRAFT ID NUMBER	AIRCRAFT AND ENGINE NAMES	AIRCRAFT CATEGORY
043	DC9-30/JT8D-9QN	JCOM

AIRCRAFT WEIGHT	STAGE NUMBER	NUMBER OF ENGINES
103000	2	2

SEG. NO.	TYPE	FLAP	START ALT (FT)	END ALT (FT)	CALIBRATED START SPEED (KCAS)	CALIBRATED END SPEED (KCAS)	SEG. LNGTH (FT)	THRST (LB)	R/C (FPM)	GRAD
1	TKOFF	15	0	0	16	151	4416	12622	0	0.00000
2	CLIMB	15	0	1000	151	151	6608	12618	2338	0.15133
3	ACCEL	15	1000	1316	151	161	3099	12602	1559	0.09735
4	ACCEL	5	1316	1452	161	171	1899	12577	1169	0.06830
5	ACCEL	INT	1452	1897	171	206	8272	10989	1000	0.05116
6	CLIMB	ZERO	1897	3000	206	206	9168	10929	2602	0.12029
7	ACCEL	ZERO	3000	3544	206	250	12524	10856	1000	0.04128
8	CLIMB	ZERO	3544	5500	250	250	18814	10778	2816	0.10398
9	CLIMB	ZERO	5500	7500	250	250	21875	10759	2552	0.09143
10	CLIMB	ZERO	7500	10000	250	250	31980	10737	2259	0.07817

SEG. NO.	TYPE	FLAP	THRUST TYPE	VALUE
1	TKOFF	15	MAX TKOFF	
2	CLIMB	15	MAX TKOFF	
3	ACCEL	15	MAX TKOFF	
4	ACCEL	5	MAX TKOFF	
5	ACCEL	INT	MAX CLIMB	
6	CLIMB	ZERO	MAX CLIMB	
7	ACCEL	ZERO	MAX CLIMB	
8	CLIMB	ZERO	MAX CLIMB	
9	CLIMB	ZERO	MAX CLIMB	
10	CLIMB	ZERO	MAX CLIMB	

TAKEOFF PROFILE DATA (HEADWIND = 8 KT) 01-31-1992 12:07:20

AIRCRAFT ID NUMBER	AIRCRAFT AND ENGINE NAMES	AIRCRAFT CATEGORY
043	DC9-30/JT8D-9QN	JCOM

	DISTANCE FROM BRAKE RELEASE (FT)	HEIGHT (FT)	SPEED (KTAS)	THRUST (LB)
POINT 1	0	0	16	12935
POINT 2	4416	0	151	12622
POINT 3	11024	1000	154	12614
POINT 4	14123	1316	164	12589
POINT 5	16022	1452	175	12565
POINT 6	17022	1506	179	11043
POINT 7	24293	1897	212	10935
POINT 8	33462	3000	215	10923
POINT 9	45986	3544	263	10788
POINT 10	64800	5500	271	10769
POINT 11	86675	7500	280	10749
POINT 12	118655	10000	291	0

THRUST FOR LEVEL FLIGHT	GRADIENT AT TAKE-OFF POWER	TAKE-OFF THRUST	GRADIENT AT CLIMB POWER
4956	0.151328	12618	0.105742

CLIMB THRUST	GRADIENT AT FAR36 CUTBACK	THRUST FOR ENGINE OUT LEVEL FLIGHT	VZF (KCAS)
11089	0.090040	9913	206

NUMBER OF ENGINES	RATED THRUST LB	AIRCRAFT WEIGHT (LB)	STAGE NUMBER
2	14500	103000	2

TAKEOFF SEGMENTS DATA (HEADWIND = 8 KT) 01-31-1992 12:08:47

AIRCRAFT ID NUMBER	AIRCRAFT AND ENGINE NAMES	AIRCRAFT CATEGORY
043	DC9-30/JT8D-9QN	JCOM

AIRCRAFT WEIGHT	STAGE NUMBER	NUMBER OF ENGINES
112000	3	2

SEG. NO.	TYPE	FLAP	START ALT (FT)	END ALT (FT)	CALIBRATED START SPEED (KCAS)	CALIBRATED END SPEED (KCAS)	SEG. LNGTH (FT)	THRST (LB)	R/C (FPM)	GRAD
1	TKOFF	15	0	0	16	158	5227	12607	0	0.00000
2	CLIMB	15	0	1000	158	158	7637	12603	2109	0.13094
3	ACCEL	15	1000	1350	158	168	3970	12586	1406	0.08404
4	ACCEL	5	1350	1491	168	178	2276	12561	1055	0.05908
5	ACCEL	INT	1491	2061	178	213	11003	10967	1000	0.04925
6	CLIMB	ZERO	2061	3000	213	213	9001	10908	2336	0.10433
7	ACCEL	ZERO	3000	3570	213	250	13338	10845	1000	0.04065
8	CLIMB	ZERO	3570	5500	250	250	21400	10778	2442	0.09017
9	CLIMB	ZERO	5500	7500	250	250	25396	10759	2198	0.07875
10	CLIMB	ZERO	7500	10000	250	250	37539	10737	1924	0.06660

SEG. NO.	TYPE	FLAP	THRUST TYPE	VALUE
1	TKOFF	15	MAX TKOFF	
2	CLIMB	15	MAX TKOFF	
3	ACCEL	15	MAX TKOFF	
4	ACCEL	5	MAX TKOFF	
5	ACCEL	INT	MAX CLIMB	
6	CLIMB	ZERO	MAX CLIMB	
7	ACCEL	ZERO	MAX CLIMB	
8	CLIMB	ZERO	MAX CLIMB	
9	CLIMB	ZERO	MAX CLIMB	
10	CLIMB	ZERO	MAX CLIMB	

TAKEOFF PROFILE DATA (HEADWIND = 8 KT) 01-31-1992 12:08:53

AIRCRAFT ID NUMBER	AIRCRAFT AND ENGINE NAMES	AIRCRAFT CATEGORY
043	DC9-30/JT8D-9QN	JCOM

	DISTANCE FROM BRAKE RELEASE (FT)	HEIGHT (FT)	SPEED (KTAS)	THRUST (LB)
POINT 1	0	0	16	12935
POINT 2	5227	0	158	12607
POINT 3	12864	1000	160	12599
POINT 4	16834	1350	171	12573
POINT 5	19110	1491	182	12549
POINT 6	20110	1543	185	11022
POINT 7	30113	2061	220	10912
POINT 8	39114	3000	223	10903
POINT 9	52453	3570	264	10788
POINT 10	73853	5500	271	10769
POINT 11	99249	7500	280	10749
POINT 12	136788	10000	291	0

THRUST FOR LEVEL FLIGHT	GRADIENT AT TAKE-OFF POWER	TAKE-OFF THRUST	GRADIENT AT CLIMB POWER
5390	0.130938	12603	0.089238

CLIMB THRUST	GRADIENT AT FAR36 CUTBACK	THRUST FOR ENGINE OUT LEVEL FLIGHT	VZF (KCAS)
11070	0.090040	10779	213

NUMBER OF ENGINES	RATED THRUST LB	AIRCRAFT WEIGHT (LB)	STAGE NUMBER
2	14500	112000	3

APPROACH PROFILE DATA (HEADWIND = 8 KT) 02-15-1992 13:32:36

AIRCRAFT ID NUMBER	AIRCRAFT AND ENGINE NAMES	AIRCRAFT CATEGORY
043	DC9-30/JT8D-9QN	JCOM

	DISTANCE FROM RW THRESHOLD (FT)	HEIGHT (FT)	SPEED (KTAS)	THRUST (LB)	FLAPS
POINT 1	113533	6000	273	1008	ZERO
POINT 2	56289	3000	170	1750	5
POINT 3	27668	1500	156	2020	U 15
POINT 4	18127	1000	145	4010	D 35
POINT 5	-954	0	142	3868	D 35
POINT 6	-1280	0	135	8700	
POINT 7	-4212	0	30	1450	

NUMBER OF ENGINES	RATED THRUST LB	AIRCRAFT WEIGHT (LB)	GLIDE SLOPE
2	14500	91800	3.00

TAKEOFF SEGMENTS DATA (HEADWIND = 8 KT) 06-21-1991 10:18:38

AIRCRAFT ID NUMBER	AIRCRAFT AND ENGINE NAMES	AIRCRAFT CATEGORY
044	DC9-10/JT8D-7QN	JCOM

AIRCRAFT WEIGHT	STAGE NUMBER	NUMBER OF ENGINES
70000	1	2

SEG. NO.	TYPE	FLAP	START ALT (FT)	END ALT (FT)	CALIBRATED START SPEED (KCAS)	CALIBRATED END SPEED (KCAS)	SEG. LNGTH (FT)	THRST (LB)	R/C (FPM)	GRAD
1	TKOFF	15	0	0	16	126	2124	12248	0	0.00000
2	CLIMB	15	0	1000	126	126	3740	12249	3444	0.26738
3	ACCEL	15	1000	1269	126	136	1502	12247	2296	0.17254
4	ACCEL	5	1269	1383	136	146	918	12243	1722	0.11911
5	ACCEL	INT	1383	1590	146	181	3326	10683	1000	0.05919
6	CLIMB	ZERO	1590	3000	181	181	6722	10622	3977	0.20975
7	ACCEL	ZERO	3000	3438	181	250	9535	10508	1000	0.04371
8	CLIMB	ZERO	3438	5500	250	250	12156	10390	4589	0.16961
9	CLIMB	ZERO	5500	7500	250	250	13258	10369	4210	0.15085
10	CLIMB	ZERO	7500	10000	250	250	18987	10347	3804	0.13167

SEG. NO.	TYPE	FLAP	THRUST TYPE	VALUE
1	TKOFF	15	MAX TKOFF	
2	CLIMB	15	MAX TKOFF	
3	ACCEL	15	MAX TKOFF	
4	ACCEL	5	MAX TKOFF	
5	ACCEL	INT	MAX CLIMB	
6	CLIMB	ZERO	MAX CLIMB	
7	ACCEL	ZERO	MAX CLIMB	
8	CLIMB	ZERO	MAX CLIMB	
9	CLIMB	ZERO	MAX CLIMB	
10	CLIMB	ZERO	MAX CLIMB	

TAKEOFF PROFILE DATA (HEADWIND = 8 KT) 06-21-1991 10:18:40

AIRCRAFT ID NUMBER	AIRCRAFT AND ENGINE NAMES	AIRCRAFT CATEGORY
044	DC9-10/JT8D-7QN	JCOM

	DISTANCE FROM BRAKE RELEASE (FT)	HEIGHT (FT)	SPEED (KTAS)	THRUST (LB)
POINT 1	0	0	16	12301
POINT 2	2124	0	126	12248
POINT 3	5864	1000	128	12250
POINT 4	7366	1269	139	12245
POINT 5	8284	1383	149	12241
POINT 6	9284	1445	160	10737
POINT 7	11610	1590	185	10629
POINT 8	18332	3000	189	10614
POINT 9	27867	3438	263	10401
POINT 10	40023	5500	271	10380
POINT 11	53281	7500	280	10359
POINT 12	72268	10000	291	0

THRUST FOR LEVEL FLIGHT	GRADIENT AT TAKE-OFF POWER	TAKE-OFF THRUST	GRADIENT AT CLIMB POWER
3204	0.267378	12249	0.199162

CLIMB THRUST	GRADIENT AT FAR36 CUTBACK	THRUST FOR ENGINE OUT LEVEL FLIGHT	VZF (KCAS)
10785	0.085601	6407	181

NUMBER OF ENGINES	RATED THRUST LB	AIRCRAFT WEIGHT (LB)	STAGE NUMBER
2	14000	70000	1

TAKEOFF SEGMENTS DATA (HEADWIND = 8 KT) 06-21-1991 10:19:51

AIRCRAFT ID NUMBER	AIRCRAFT AND ENGINE NAMES	AIRCRAFT CATEGORY
044	DC9-10/JT8D-7QN	JCOM

AIRCRAFT WEIGHT	STAGE NUMBER	NUMBER OF ENGINES
78000	2	2

SEG. NO.	TYPE	FLAP	START ALT (FT)	END ALT (FT)	CALIBRATED START SPEED (KCAS)	CALIBRATED END SPEED (KCAS)	SEG. LNGTH (FT)	THRST (LB)	R/C (FPM)	GRAD
1	TKOFF	15	0	0	16	133	2638	12244	0	0.00000
2	CLIMB	15	0	1000	133	133	4379	12245	3105	0.22834
3	ACCEL	15	1000	1279	133	143	1823	12244	2070	0.14707
4	ACCEL	5	1279	1398	143	153	1109	12240	1553	0.10213
5	ACCEL	INT	1398	1652	153	188	4267	10662	1000	0.05671
6	CLIMB	ZERO	1652	3000	188	188	7558	10600	3514	0.17833
7	ACCEL	ZERO	3000	3485	188	250	10733	10497	1000	0.04300
8	CLIMB	ZERO	3485	5500	250	250	13996	10390	3896	0.14395
9	CLIMB	ZERO	5500	7500	250	250	15688	10369	3558	0.12749
10	CLIMB	ZERO	7500	10000	250	250	22641	10347	3190	0.11042

SEG. NO.	TYPE	FLAP	THRUST TYPE	VALUE
1	TKOFF	15	MAX TKOFF	
2	CLIMB	15	MAX TKOFF	
3	ACCEL	15	MAX TKOFF	
4	ACCEL	5	MAX TKOFF	
5	ACCEL	INT	MAX CLIMB	
6	CLIMB	ZERO	MAX CLIMB	
7	ACCEL	ZERO	MAX CLIMB	
8	CLIMB	ZERO	MAX CLIMB	
9	CLIMB	ZERO	MAX CLIMB	
10	CLIMB	ZERO	MAX CLIMB	

TAKEOFF PROFILE DATA (HEADWIND = 8 KT) 06-21-1991 10:19:55

AIRCRAFT ID NUMBER	AIRCRAFT AND ENGINE NAMES	AIRCRAFT CATEGORY
044	DC9-10/JT8D-7QN	JCOM

	DISTANCE FROM BRAKE RELEASE (FT)	HEIGHT (FT)	SPEED (KTAS)	THRUST (LB)
POINT 1	0	0	16	12301
POINT 2	2638	0	133	12244
POINT 3	7017	1000	135	12246
POINT 4	8840	1279	146	12242
POINT 5	9949	1398	156	12237
POINT 6	10949	1457	165	10716
POINT 7	14216	1652	193	10607
POINT 8	21775	3000	197	10593
POINT 9	32507	3485	263	10400
POINT 10	46504	5500	271	10380
POINT 11	62191	7500	280	10359
POINT 12	84832	10000	291	0

THRUST FOR LEVEL FLIGHT	GRADIENT AT TAKE-OFF POWER	TAKE-OFF THRUST	GRADIENT AT CLIMB POWER
3570	0.228344	12245	0.167999

CLIMB THRUST	GRADIENT AT FAR36 CUTBACK	THRUST FOR ENGINE OUT LEVEL FLIGHT	VZF (KCAS)
10764	0.085601	7140	188

NUMBER OF ENGINES	RATED THRUST LB	AIRCRAFT WEIGHT (LB)	STAGE NUMBER
2	14000	78000	2

TAKEOFF SEGMENTS DATA (HEADWIND = 8 KT) 06-21-1991 10:21:07

AIRCRAFT ID NUMBER	AIRCRAFT AND ENGINE NAMES	AIRCRAFT CATEGORY
044	DC9-10/JT8D-7QN	JCOM

AIRCRAFT WEIGHT	STAGE NUMBER	NUMBER OF ENGINES
85000	3	2

SEG. NO.	TYPE	FLAP	START ALT (FT)	END ALT (FT)	CALIBRATED START SPEED (KCAS)	CALIBRATED END SPEED (KCAS)	SEG. LNGTH (FT)	THRST (LB)	R/C (FPM)	GRAD
1	TKOFF	15	0	0	16	139	3133	12242	0	0.00000
2	CLIMB	15	0	1000	139	139	4979	12243	2851	0.20083
3	ACCEL	15	1000	1294	139	149	2183	12241	1901	0.12918
4	ACCEL	5	1294	1417	149	159	1296	12237	1426	0.09000
5	ACCEL	INT	1417	1721	159	194	5293	10643	1000	0.05474
6	CLIMB	ZERO	1721	3000	194	194	8200	10582	3173	0.15595
7	ACCEL	ZERO	3000	3526	194	250	11795	10487	1000	0.04240
8	CLIMB	ZERO	3526	5500	250	250	15713	10390	3402	0.12563
9	CLIMB	ZERO	5500	7500	250	250	18053	10369	3092	0.11078
10	CLIMB	ZERO	7500	10000	250	250	26260	10347	2751	0.09520

SEG. NO.	TYPE	FLAP	THRUST TYPE	VALUE
1	TKOFF	15	MAX TKOFF	
2	CLIMB	15	MAX TKOFF	
3	ACCEL	15	MAX TKOFF	
4	ACCEL	5	MAX TKOFF	
5	ACCEL	INT	MAX CLIMB	
6	CLIMB	ZERO	MAX CLIMB	
7	ACCEL	ZERO	MAX CLIMB	
8	CLIMB	ZERO	MAX CLIMB	
9	CLIMB	ZERO	MAX CLIMB	
10	CLIMB	ZERO	MAX CLIMB	

TAKEOFF PROFILE DATA (HEADWIND = 8 KT) 06-21-1991 10:21:13

AIRCRAFT ID NUMBER	AIRCRAFT AND ENGINE NAMES	AIRCRAFT CATEGORY
044	DC9-10/JT8D-7QN	JCOM

	DISTANCE FROM BRAKE RELEASE (FT)	HEIGHT (FT)	SPEED (KTAS)	THRUST (LB)
POINT 1	0	0	16	12301
POINT 2	3133	0	139	12242
POINT 3	8113	1000	141	12243
POINT 4	10295	1294	152	12239
POINT 5	11591	1417	162	12235
POINT 6	12591	1474	169	10698
POINT 7	16884	1721	199	10589
POINT 8	25084	3000	203	10575
POINT 9	36880	3526	263	10400
POINT 10	52593	5500	271	10380
POINT 11	70646	7500	280	10359
POINT 12	96906	10000	291	0

THRUST FOR LEVEL FLIGHT	GRADIENT AT TAKE-OFF POWER	TAKE-OFF THRUST	GRADIENT AT CLIMB POWER
3890	0.200831	12243	0.145860

CLIMB THRUST	GRADIENT AT FAR36 CUTBACK	THRUST FOR ENGINE OUT LEVEL FLIGHT	VZF (KCAS)
10746	0.085601	7780	194

NUMBER OF ENGINES	RATED THRUST LB	AIRCRAFT WEIGHT (LB)	STAGE NUMBER
2	14000	85000	3

APPROACH PROFILE DATA (HEADWIND = 8 KT) 02-15-1992 13:30:26

AIRCRAFT ID NUMBER	AIRCRAFT AND ENGINE NAMES	AIRCRAFT CATEGORY
044	DC9-10/JT8D-7QN	JCOM

	DISTANCE FROM RW THRESHOLD (FT)	HEIGHT (FT)	SPEED (KTAS)	THRUST (LB)	FLAPS
POINT 1	113533	6000	273	1152	ZERO
POINT 2	56289	3000	157	1097	5
POINT 3	27668	1500	143	1442	U 15
POINT 4	18127	1000	132	3176	D 35
POINT 5	-954	0	130	3064	D 35
POINT 6	-1311	0	123	8400	
POINT 7	-4527	0	30	1400	

NUMBER OF ENGINES	RATED THRUST LB	AIRCRAFT WEIGHT (LB)	GLIDE SLOPE
2	14000	73500	3.00

TAKEOFF SEGMENTS DATA (HEADWIND = 8 KT) 06-26-1991 14:53:12

AIRCRAFT ID NUMBER	AIRCRAFT AND ENGINE NAMES	AIRCRAFT CATEGORY
045	B737/JT8D-9QN	JCOM

AIRCRAFT WEIGHT	STAGE NUMBER	NUMBER OF ENGINES
82000	1	2

SEG. NO.	TYPE	FLAP	START ALT (FT)	END ALT (FT)	CALIBRATED START SPEED (KCAS)	CALIBRATED END SPEED (KCAS)	SEG. LNGTH (FT)	THRST (LB)	R/C (FPM)	GRAD
1	TKOFF	5	0	0	16	136	3075	12673	0	0.00000
2	CLIMB	5	0	1000	136	136	4430	12659	3135	0.22572
3	ACCEL	5	1000	1296	136	146	1955	12597	2090	0.14535
4	ACCEL	INT	1296	1603	146	171	3047	12438	1568	0.09605
5	ACCEL	ZERO	1603	1855	171	210	4739	11181	1000	0.05059
6	CLIMB	ZERO	1855	3000	210	210	6544	11006	3858	0.17501
7	ACCEL	ZERO	3000	3288	210	250	6688	10827	1000	0.04101
8	CLIMB	ZERO	3288	5500	250	250	14721	10631	4060	0.15023
9	CLIMB	ZERO	5500	7500	250	250	15089	10565	3699	0.13254
10	CLIMB	ZERO	7500	10000	250	250	21723	10490	3325	0.11509

SEG. NO.	TYPE	FLAP	THRUST TYPE	VALUE
1	TKOFF	5	MAX TKOFF	
2	CLIMB	5	MAX TKOFF	
3	ACCEL	5	MAX TKOFF	
4	ACCEL	INT	MAX TKOFF	
5	ACCEL	ZERO	MAX CLIMB	
6	CLIMB	ZERO	MAX CLIMB	
7	ACCEL	ZERO	MAX CLIMB	
8	CLIMB	ZERO	MAX CLIMB	
9	CLIMB	ZERO	MAX CLIMB	
10	CLIMB	ZERO	MAX CLIMB	

TAKEOFF PROFILE DATA (HEADWIND = 8 KT) 06-26-1991 14:53:18

AIRCRAFT ID NUMBER	AIRCRAFT AND ENGINE NAMES	AIRCRAFT CATEGORY
045	B737/JT8D-9QN	JCOM

	DISTANCE FROM BRAKE RELEASE (FT)	HEIGHT (FT)	SPEED (KTAS)	THRUST (LB)
POINT 1	0	0	16	13710
POINT 2	3075	0	136	12673
POINT 3	7506	1000	138	12644
POINT 4	9461	1296	149	12550
POINT 5	12508	1603	175	12325
POINT 6	13508	1656	184	11339
POINT 7	17247	1855	216	11023
POINT 8	23791	3000	220	10990
POINT 9	30480	3288	262	10664
POINT 10	45200	5500	271	10597
POINT 11	60290	7500	280	10532
POINT 12	82012	10000	291	0

THRUST FOR LEVEL FLIGHT	GRADIENT AT TAKE-OFF POWER	TAKE-OFF THRUST	GRADIENT AT CLIMB POWER
3636	0.225720	12659	0.177326

CLIMB THRUST	GRADIENT AT FAR36 CUTBACK	THRUST FOR ENGINE OUT LEVEL FLIGHT	VZF (KCAS)
11590	0.082928	7273	210

NUMBER OF ENGINES	RATED THRUST LB	AIRCRAFT WEIGHT (LB)	STAGE NUMBER
2	14500	82000	1

TAKEOFF SEGMENTS DATA (HEADWIND = 8 KT) 06-26-1991 14:54:39

AIRCRAFT ID NUMBER	AIRCRAFT AND ENGINE NAMES	AIRCRAFT CATEGORY
045	B737/JT8D-9QN	JCOM

AIRCRAFT WEIGHT	STAGE NUMBER	NUMBER OF ENGINES
85000	2	2

SEG. NO.	TYPE	FLAP	START ALT (FT)	END ALT (FT)	CALIBRATED START SPEED (KCAS)	CALIBRATED END SPEED (KCAS)	SEG. LNGTH (FT)	THRST (LB)	R/C (FPM)	GRAD
1	TKOFF	5	0	0	16	139	3310	12652	0	0.00000
2	CLIMB	5	0	1000	139	139	4682	12638	3021	0.21359
3	ACCEL	5	1000	1317	139	149	2212	12573	2014	0.13722
4	ACCEL	INT	1317	1628	149	174	3270	12411	1511	0.09077
5	ACCEL	ZERO	1628	1877	174	210	4723	11168	1000	0.05018
6	CLIMB	ZERO	1877	3000	210	210	6753	11006	3666	0.16630
7	ACCEL	ZERO	3000	3309	210	250	7164	10827	1000	0.04100
8	CLIMB	ZERO	3309	5500	250	250	15375	10631	3852	0.14251
9	CLIMB	ZERO	5500	7500	250	250	15926	10565	3505	0.12558
10	CLIMB	ZERO	7500	10000	250	250	22982	10490	3143	0.10878

SEG. NO.	TYPE	FLAP	THRUST TYPE	VALUE
1	TKOFF	5	MAX TKOFF	
2	CLIMB	5	MAX TKOFF	
3	ACCEL	5	MAX TKOFF	
4	ACCEL	INT	MAX TKOFF	
5	ACCEL	ZERO	MAX CLIMB	
6	CLIMB	ZERO	MAX CLIMB	
7	ACCEL	ZERO	MAX CLIMB	
8	CLIMB	ZERO	MAX CLIMB	
9	CLIMB	ZERO	MAX CLIMB	
10	CLIMB	ZERO	MAX CLIMB	

TAKEOFF PROFILE DATA (HEADWIND = 8 KT) 06-26-1991 14:54:43

AIRCRAFT ID NUMBER	AIRCRAFT AND ENGINE NAMES	AIRCRAFT CATEGORY
045	B737/JT8D-9QN	JCOM

	DISTANCE FROM BRAKE RELEASE (FT)	HEIGHT (FT)	SPEED (KTAS)	THRUST (LB)
POINT 1	0	0	16	13710
POINT 2	3310	0	139	12652
POINT 3	7992	1000	141	12623
POINT 4	10204	1317	152	12524
POINT 5	13475	1628	178	12299
POINT 6	14475	1681	186	11315
POINT 7	18198	1877	216	11022
POINT 8	24951	3000	220	10990
POINT 9	32115	3309	263	10663
POINT 10	47490	5500	271	10597
POINT 11	63416	7500	280	10532
POINT 12	86399	10000	291	0

THRUST FOR LEVEL FLIGHT	GRADIENT AT TAKE-OFF POWER	TAKE-OFF THRUST	GRADIENT AT CLIMB POWER
3769	0.213585	12638	0.167268

CLIMB THRUST	GRADIENT AT FAR36 CUTBACK	THRUST FOR ENGINE OUT LEVEL FLIGHT	VZF (KCAS)
11571	0.082928	7539	210

NUMBER OF ENGINES	RATED THRUST LB	AIRCRAFT WEIGHT (LB)	STAGE NUMBER
2	14500	85000	2

TAKEOFF SEGMENTS DATA (HEADWIND = 8 KT) 06-26-1991 14:56:04

AIRCRAFT ID NUMBER	AIRCRAFT AND ENGINE NAMES	AIRCRAFT CATEGORY
045	B737/JT8D-9QN	JCOM

AIRCRAFT WEIGHT	STAGE NUMBER	NUMBER OF ENGINES
92000	3	2

SEG. NO.	TYPE	FLAP	START ALT (FT)	END ALT (FT)	CALIBRATED START SPEED (KCAS)	CALIBRATED END SPEED (KCAS)	SEG. LNGTH (FT)	THRST (LB)	R/C (FPM)	GRAD
1	TKOFF	5	0	0	16	144	3893	12604	0	0.00000
2	CLIMB	5	0	1000	144	144	5301	12589	2776	0.18866
3	ACCEL	5	1000	1311	144	154	2450	12528	1851	0.12140
4	ACCEL	INT	1311	1632	154	179	3788	12368	1388	0.08081
5	ACCEL	ZERO	1632	1882	179	210	4811	11148	1000	0.04953
6	CLIMB	ZERO	1882	3000	210	210	7525	11006	3274	0.14851
7	ACCEL	ZERO	3000	3363	210	250	8409	10826	1000	0.04099
8	CLIMB	ZERO	3363	5500	250	250	16897	10630	3421	0.12650
9	CLIMB	ZERO	5500	7500	250	250	17993	10565	3102	0.11115
10	CLIMB	ZERO	7500	10000	250	250	26123	10490	2765	0.09570

SEG. NO.	TYPE	FLAP	THRUST TYPE	VALUE
1	TKOFF	5	MAX TKOFF	
2	CLIMB	5	MAX TKOFF	
3	ACCEL	5	MAX TKOFF	
4	ACCEL	INT	MAX TKOFF	
5	ACCEL	ZERO	MAX CLIMB	
6	CLIMB	ZERO	MAX CLIMB	
7	ACCEL	ZERO	MAX CLIMB	
8	CLIMB	ZERO	MAX CLIMB	
9	CLIMB	ZERO	MAX CLIMB	
10	CLIMB	ZERO	MAX CLIMB	

TAKEOFF PROFILE DATA (HEADWIND = 8 KT) 06-26-1991 14:56:08

AIRCRAFT ID NUMBER	AIRCRAFT AND ENGINE NAMES	AIRCRAFT CATEGORY
045	B737/JT8D-9QN	JCOM

	DISTANCE FROM BRAKE RELEASE (FT)	HEIGHT (FT)	SPEED (KTAS)	THRUST (LB)
POINT 1	0	0	16	13710
POINT 2	3893	0	144	12604
POINT 3	9193	1000	146	12574
POINT 4	11643	1311	157	12481
POINT 5	15431	1632	183	12255
POINT 6	16431	1684	190	11275
POINT 7	20242	1882	216	11022
POINT 8	27767	3000	220	10990
POINT 9	36176	3363	263	10662
POINT 10	53074	5500	271	10597
POINT 11	71067	7500	280	10532
POINT 12	97190	10000	291	0

THRUST FOR LEVEL FLIGHT	GRADIENT AT TAKE-OFF POWER	TAKE-OFF THRUST	GRADIENT AT CLIMB POWER
4080	0.188661	12589	0.146531

CLIMB THRUST	GRADIENT AT FAR36 CUTBACK	THRUST FOR ENGINE OUT LEVEL FLIGHT	VZF (KCAS)
11526	0.082928	8160	210

NUMBER OF ENGINES	RATED THRUST LB	AIRCRAFT WEIGHT (LB)	STAGE NUMBER
2	14500	92000	3

TAKEOFF SEGMENTS DATA (HEADWIND = 8 KT) 06-26-1991 14:57:35

AIRCRAFT ID NUMBER	AIRCRAFT AND ENGINE NAMES	AIRCRAFT CATEGORY
045	B737/JT8D-9QN	JCOM

AIRCRAFT WEIGHT	STAGE NUMBER	NUMBER OF ENGINES
100000	4	2

SEG. NO.	TYPE	FLAP	START ALT (FT)	END ALT (FT)	CALIBRATED START SPEED (KCAS)	CALIBRATED END SPEED (KCAS)	SEG. LNGTH (FT)	THRST (LB)	R/C (FPM)	GRAD
1	TKOFF	5	0	0	16	150	4618	12551	0	0.00000
2	CLIMB	5	0	1000	150	150	6067	12536	2528	0.16482
3	ACCEL	5	1000	1320	150	160	2883	12475	1685	0.10600
4	ACCEL	INT	1320	1652	160	185	4461	12316	1264	0.07096
5	ACCEL	ZERO	1652	1894	185	210	4706	11124	1000	0.04876
6	CLIMB	ZERO	1894	3000	210	210	8425	11006	2896	0.13133
7	ACCEL	ZERO	3000	3436	210	250	10123	10825	1000	0.04096
8	CLIMB	ZERO	3436	5500	250	250	18594	10629	3003	0.11100
9	CLIMB	ZERO	5500	7500	250	250	20575	10565	2713	0.09720
10	CLIMB	ZERO	7500	10000	250	250	30105	10490	2399	0.08304

SEG. NO.	TYPE	FLAP	THRUST TYPE	VALUE
1	TKOFF	5	MAX TKOFF	
2	CLIMB	5	MAX TKOFF	
3	ACCEL	5	MAX TKOFF	
4	ACCEL	INT	MAX TKOFF	
5	ACCEL	ZERO	MAX CLIMB	
6	CLIMB	ZERO	MAX CLIMB	
7	ACCEL	ZERO	MAX CLIMB	
8	CLIMB	ZERO	MAX CLIMB	
9	CLIMB	ZERO	MAX CLIMB	
10	CLIMB	ZERO	MAX CLIMB	

TAKEOFF PROFILE DATA (HEADWIND = 8 KT) 06-26-1991 14:57:39

AIRCRAFT ID NUMBER	AIRCRAFT AND ENGINE NAMES	AIRCRAFT CATEGORY
045	B737/JT8D-9QN	JCOM

	DISTANCE FROM BRAKE RELEASE (FT)	HEIGHT (FT)	SPEED (KTAS)	THRUST (LB)
POINT 1	0	0	16	13710
POINT 2	4618	0	150	12551
POINT 3	10686	1000	153	12522
POINT 4	13569	1320	163	12429
POINT 5	18030	1652	190	12203
POINT 6	19030	1704	195	11227
POINT 7	22736	1894	216	11022
POINT 8	31161	3000	220	10990
POINT 9	41283	3436	263	10660
POINT 10	59878	5500	271	10597
POINT 11	80453	7500	280	10532
POINT 12	110558	10000	291	0

THRUST FOR LEVEL FLIGHT	GRADIENT AT TAKE-OFF POWER	TAKE-OFF THRUST	GRADIENT AT CLIMB POWER
4435	0.164816	12536	0.126601

CLIMB THRUST	GRADIENT AT FAR36 CUTBACK	THRUST FOR ENGINE OUT LEVEL FLIGHT	VZF (KCAS)
11478	0.082928	8869	210

NUMBER OF ENGINES	RATED THRUST LB	AIRCRAFT WEIGHT (LB)	STAGE NUMBER
2	14500	100000	4

APPROACH PROFILE DATA (HEADWIND = 8 KT) 02-15-1992 12:51:06

AIRCRAFT ID NUMBER	AIRCRAFT AND ENGINE NAMES	AIRCRAFT CATEGORY
045	B737/JT8D-9QN	JCOM

	DISTANCE FROM RW THRESHOLD (FT)	HEIGHT (FT)	SPEED (KTAS)	THRUST (LB)	FLAPS
POINT 1	113533	6000	273	742	ZERO
POINT 2	56289	3000	178	1694	5
POINT 3	27668	1500	137	2901	D 25
POINT 4	18127	1000	133	3387	D 30
POINT 5	-954	0	131	3267	D 30
POINT 6	-1210	0	125	8700	
POINT 7	-3510	0	30	1450	

NUMBER OF ENGINES	RATED THRUST LB	AIRCRAFT WEIGHT (LB)	GLIDE SLOPE
2	14500	88200	3.00

TAKEOFF SEGMENTS DATA (HEADWIND = 8 KT) 06-21-1991 10:54:03

AIRCRAFT ID NUMBER	AIRCRAFT AND ENGINE NAMES	AIRCRAFT CATEGORY
046	DC9-50/JT8D-17	JCOM

AIRCRAFT WEIGHT	STAGE NUMBER	NUMBER OF ENGINES
100000	1	2

SEG. NO.	TYPE	FLAP	START ALT (FT)	END ALT (FT)	CALIBRATED START SPEED (KCAS)	CALIBRATED END SPEED (KCAS)	SEG. LNGTH (FT)	THRST (LB)	R/C (FPM)	GRAD
1	TKOFF	15	0	0	16	149	3653	14380	0	0.00000
2	CLIMB	15	0	1000	149	149	5117	14376	2974	0.19542
3	ACCEL	15	1000	1321	149	159	2438	14361	1983	0.12591
4	ACCEL	5	1321	1458	159	169	1485	14338	1487	0.08806
5	ACCEL	INTR	1458	1795	169	204	6192	11875	1000	0.05175
6	CLIMB	ZERO	1795	3000	204	204	8470	11824	3046	0.14232
7	ACCEL	ZERO	3000	3439	204	250	10059	11758	1000	0.04150
8	CLIMB	ZERO	3439	5500	250	250	16562	11688	3367	0.12444
9	CLIMB	ZERO	5500	7500	250	250	18179	11671	3070	0.11002
10	CLIMB	ZERO	7500	10000	250	250	26260	11652	2751	0.09520

SEG. NO.	TYPE	FLAP	THRUST TYPE	VALUE
1	TKOFF	15	MAX TKOFF	
2	CLIMB	15	MAX TKOFF	
3	ACCEL	15	MAX TKOFF	
4	ACCEL	5	MAX TKOFF	
5	ACCEL	INTR	MAX CLIMB	
6	CLIMB	ZERO	MAX CLIMB	
7	ACCEL	ZERO	MAX CLIMB	
8	CLIMB	ZERO	MAX CLIMB	
9	CLIMB	ZERO	MAX CLIMB	
10	CLIMB	ZERO	MAX CLIMB	

TAKEOFF PROFILE DATA (HEADWIND = 8 KT) 06-21-1991 10:54:06

AIRCRAFT ID NUMBER	AIRCRAFT AND ENGINE NAMES	AIRCRAFT CATEGORY
046	DC9-50/JT8D-17	JCOM

	DISTANCE FROM BRAKE RELEASE (FT)	HEIGHT (FT)	SPEED (KTAS)	THRUST (LB)
POINT 1	0	0	16	14664
POINT 2	3653	0	149	14380
POINT 3	8770	1000	151	14372
POINT 4	11208	1321	162	14349
POINT 5	12694	1458	173	14327
POINT 6	13694	1512	179	11921
POINT 7	18885	1795	209	11829
POINT 8	27355	3000	213	11818
POINT 9	37414	3439	263	11697
POINT 10	53976	5500	271	11679
POINT 11	72155	7500	280	11662
POINT 12	98416	10000	291	0

THRUST FOR LEVEL FLIGHT	GRADIENT AT TAKE-OFF POWER	TAKE-OFF THRUST	GRADIENT AT CLIMB POWER
4812	0.195424	14376	0.128258

CLIMB THRUST	GRADIENT AT FAR36 CUTBACK	THRUST FOR ENGINE OUT LEVEL FLIGHT	VZF (KCAS)
11963	0.090040	9624	204

NUMBER OF ENGINES	RATED THRUST LB	AIRCRAFT WEIGHT (LB)	STAGE NUMBER
2	16000	100000	1

TAKEOFF SEGMENTS DATA (HEADWIND = 8 KT) 06-21-1991 10:55:08

AIRCRAFT ID NUMBER	AIRCRAFT AND ENGINE NAMES	AIRCRAFT CATEGORY
046	DC9-50/JT8D-17	JCOM

AIRCRAFT WEIGHT	STAGE NUMBER	NUMBER OF ENGINES
107000	2	2

SEG. NO.	TYPE	FLAP	START ALT (FT)	END ALT (FT)	CALIBRATED START SPEED (KCAS)	CALIBRATED END SPEED (KCAS)	SEG. LNGTH (FT)	THRST (LB)	R/C (FPM)	GRAD
1	TKOFF	15	0	0	16	154	4186	14369	0	0.00000
2	CLIMB	15	0	1000	154	154	5695	14365	2764	0.17558
3	ACCEL	15	1000	1328	154	164	2770	14350	1843	0.11312
4	ACCEL	5	1328	1469	164	174	1695	14327	1382	0.07936
5	ACCEL	INTR	1469	1865	174	209	7481	11862	1000	0.05037
6	CLIMB	ZERO	1865	3000	209	209	8867	11811	2808	0.12800
7	ACCEL	ZERO	3000	3455	209	250	10538	11751	1000	0.04104
8	CLIMB	ZERO	3455	5500	250	250	18293	11688	3025	0.11179
9	CLIMB	ZERO	5500	7500	250	250	20320	11671	2747	0.09842
10	CLIMB	ZERO	7500	10000	250	250	29543	11652	2445	0.08462

SEG. NO.	TYPE	FLAP	THRUST TYPE	VALUE
1	TKOFF	15	MAX TKOFF	
2	CLIMB	15	MAX TKOFF	
3	ACCEL	15	MAX TKOFF	
4	ACCEL	5	MAX TKOFF	
5	ACCEL	INTR	MAX CLIMB	
6	CLIMB	ZERO	MAX CLIMB	
7	ACCEL	ZERO	MAX CLIMB	
8	CLIMB	ZERO	MAX CLIMB	
9	CLIMB	ZERO	MAX CLIMB	
10	CLIMB	ZERO	MAX CLIMB	

TAKEOFF PROFILE DATA (HEADWIND = 8 KT) 06-21-1991 10:55:11

AIRCRAFT ID NUMBER	AIRCRAFT AND ENGINE NAMES	AIRCRAFT CATEGORY
046	DC9-50/JT8D-17	JCOM

	DISTANCE FROM BRAKE RELEASE (FT)	HEIGHT (FT)	SPEED (KTAS)	THRUST (LB)
POINT 1	0	0	16	14664
POINT 2	4186	0	154	14369
POINT 3	9881	1000	157	14361
POINT 4	12651	1328	167	14338
POINT 5	14346	1469	178	14316
POINT 6	15346	1522	183	11909
POINT 7	21827	1865	215	11816
POINT 8	30695	3000	218	11806
POINT 9	41233	3455	263	11697
POINT 10	59526	5500	271	11679
POINT 11	79846	7500	280	11662
POINT 12	109390	10000	291	0

THRUST FOR LEVEL FLIGHT	GRADIENT AT TAKE-OFF POWER	TAKE-OFF THRUST	GRADIENT AT CLIMB POWER
5149	0.175579	14365	0.113276

CLIMB THRUST	GRADIENT AT FAR36 CUTBACK	THRUST FOR ENGINE OUT LEVEL FLIGHT	VZF (KCAS)
11949	0.090040	10298	209

NUMBER OF ENGINES	RATED THRUST LB	AIRCRAFT WEIGHT (LB)	STAGE NUMBER
2	16000	107000	2

TAKEOFF SEGMENTS DATA (HEADWIND = 8 KT) 06-21-1991 10:56:10

AIRCRAFT ID NUMBER	AIRCRAFT AND ENGINE NAMES	AIRCRAFT CATEGORY
046	DC9-50/JT8D-17	JCOM

AIRCRAFT WEIGHT	STAGE NUMBER	NUMBER OF ENGINES
115000	3	2

SEG. NO.	TYPE	FLAP	START ALT (FT)	END ALT (FT)	CALIBRATED START SPEED (KCAS)	CALIBRATED END SPEED (KCAS)	SEG. LNGTH (FT)	THRST (LB)	R/C (FPM)	GRAD
1	TKOFF	15	0	0	16	160	4839	14357	0	0.00000
2	CLIMB	15	0	1000	160	160	6408	14353	2547	0.15606
3	ACCEL	15	1000	1353	160	170	3353	14337	1698	0.10038
4	ACCEL	5	1353	1498	170	180	1966	14314	1274	0.07057
5	ACCEL	INTR	1498	1978	180	215	9362	11846	1000	0.04878
6	CLIMB	ZERO	1978	3000	215	215	8983	11795	2569	0.11373
7	ACCEL	ZERO	3000	3462	215	250	10852	11744	1000	0.04051
8	CLIMB	ZERO	3462	5500	250	250	20517	11688	2688	0.09931
9	CLIMB	ZERO	5500	7500	250	250	23004	11671	2426	0.08694
10	CLIMB	ZERO	7500	10000	250	250	33722	11652	2142	0.07414

SEG. NO.	TYPE	FLAP	THRUST TYPE	VALUE
1	TKOFF	15	MAX TKOFF	
2	CLIMB	15	MAX TKOFF	
3	ACCEL	15	MAX TKOFF	
4	ACCEL	5	MAX TKOFF	
5	ACCEL	INTR	MAX CLIMB	
6	CLIMB	ZERO	MAX CLIMB	
7	ACCEL	ZERO	MAX CLIMB	
8	CLIMB	ZERO	MAX CLIMB	
9	CLIMB	ZERO	MAX CLIMB	
10	CLIMB	ZERO	MAX CLIMB	

TAKEOFF PROFILE DATA (HEADWIND = 8 KT) 06-21-1991 10:56:13

AIRCRAFT ID NUMBER	AIRCRAFT AND ENGINE NAMES	AIRCRAFT CATEGORY
046	DC9-50/JT8D-17	JCOM

	DISTANCE FROM BRAKE RELEASE (FT)	HEIGHT (FT)	SPEED (KTAS)	THRUST (LB)
POINT 1	0	0	16	14664
POINT 2	4839	0	160	14357
POINT 3	11247	1000	162	14349
POINT 4	14600	1353	173	14325
POINT 5	16566	1498	184	14303
POINT 6	17566	1549	188	11893
POINT 7	25928	1978	221	11799
POINT 8	34911	3000	225	11790
POINT 9	45763	3462	263	11697
POINT 10	66280	5500	271	11679
POINT 11	89284	7500	280	11662
POINT 12	123006	10000	291	0

THRUST FOR LEVEL FLIGHT	GRADIENT AT TAKE-OFF POWER	TAKE-OFF THRUST	GRADIENT AT CLIMB POWER
5534	0.156063	14353	0.098471

CLIMB THRUST	GRADIENT AT FAR36 CUTBACK	THRUST FOR ENGINE OUT LEVEL FLIGHT	VZF (KCAS)
11935	0.090040	11068	215

NUMBER OF ENGINES	RATED THRUST LB	AIRCRAFT WEIGHT (LB)	STAGE NUMBER
2	16000	115000	3

APPROACH PROFILE DATA (HEADWIND = 8 KT) 02-15-1992 13:33:52

AIRCRAFT ID NUMBER	AIRCRAFT AND ENGINE NAMES	AIRCRAFT CATEGORY
046	DC9-50/JT8D-17	JCOM

	DISTANCE FROM RW THRESHOLD (FT)	HEIGHT (FT)	SPEED (KTAS)	THRUST (LB)	FLAPS
POINT 1	113533	6000	273	1088	ZERO
POINT 2	56289	3000	175	1887	5
POINT 3	27668	1500	161	2178	U 15
POINT 4	18127	1000	149	4333	D 35
POINT 5	-954	0	147	4179	D 35
POINT 6	-1298	0	140	9600	
POINT 7	-4392	0	30	1600	

NUMBER OF ENGINES	RATED THRUST LB	AIRCRAFT WEIGHT (LB)	GLIDE SLOPE
2	16000	99000	3.00

TAKEOFF SEGMENTS DATA (HEADWIND = 8 KT) 06-19-1991 17:34:31

AIRCRAFT ID NUMBER	AIRCRAFT AND ENGINE NAMES	AIRCRAFT CATEGORY
047	B737-200/JT8D-17	JCOM

AIRCRAFT WEIGHT	STAGE NUMBER	NUMBER OF ENGINES
90000	1	2

SEG. NO.	TYPE	FLAP	START ALT (FT)	END ALT (FT)	CALIBRATED START SPEED (KCAS)	CALIBRATED END SPEED (KCAS)	SEG. LNGTH (FT)	THRST (LB)	R/C (FPM)	GRAD
1	TKOFF	5	0	0	16	142	3303	14319	0	0.00000
2	CLIMB	5	0	1000	142	142	4236	14429	3418	0.23607
3	ACCEL	5	1000	1306	142	152	1933	14506	2279	0.15230
4	ACCEL	INT	1306	1615	152	177	2921	14406	1709	0.10090
5	ACCEL	ZERO	1615	1837	177	210	4243	11969	1000	0.04981
6	CLIMB	ZERO	1837	3000	210	210	6769	11918	3787	0.17180
7	ACCEL	ZERO	3000	3291	210	250	6758	11818	1000	0.04101
8	CLIMB	ZERO	3291	5500	250	250	14662	11690	4071	0.15063
9	CLIMB	ZERO	5500	7500	250	250	15196	11541	3673	0.13161
10	CLIMB	ZERO	7500	10000	250	250	22874	11141	3158	0.10929

SEG. NO.	TYPE	FLAP	THRUST TYPE	VALUE
1	TKOFF	5	MAX TKOFF	
2	CLIMB	5	MAX TKOFF	
3	ACCEL	5	MAX TKOFF	
4	ACCEL	INT	MAX TKOFF	
5	ACCEL	ZERO	MAX CLIMB	
6	CLIMB	ZERO	MAX CLIMB	
7	ACCEL	ZERO	MAX CLIMB	
8	CLIMB	ZERO	MAX CLIMB	
9	CLIMB	ZERO	MAX CLIMB	
10	CLIMB	ZERO	MAX CLIMB	

TAKEOFF PROFILE DATA (HEADWIND = 8 KT) 06-19-1991 17:34:34

AIRCRAFT ID NUMBER	AIRCRAFT AND ENGINE NAMES	AIRCRAFT CATEGORY
047	B737-200/JT8D-17	JCOM

	DISTANCE FROM BRAKE RELEASE (FT)	HEIGHT (FT)	SPEED (KTAS)	THRUST (LB)
POINT 1	0	0	16	15384
POINT 2	3303	0	142	14319
POINT 3	7539	1000	144	14524
POINT 4	9472	1306	155	14489
POINT 5	12392	1615	181	14323
POINT 6	13392	1667	189	12075
POINT 7	16635	1837	216	11864
POINT 8	23403	3000	220	11955
POINT 9	30161	3291	262	11682
POINT 10	44823	5500	271	11639
POINT 11	60019	7500	280	11394
POINT 12	82894	10000	291	0

THRUST FOR LEVEL FLIGHT	GRADIENT AT TAKE-OFF POWER	TAKE-OFF THRUST	GRADIENT AT CLIMB POWER
4094	0.236075	14429	0.168340

CLIMB THRUST	GRADIENT AT FAR36 CUTBACK	THRUST FOR ENGINE OUT LEVEL FLIGHT	VZF (KCAS)
12409	0.085073	8187	210

NUMBER OF ENGINES	RATED THRUST LB	AIRCRAFT WEIGHT (LB)	STAGE NUMBER
2	16000	90000	1

TAKEOFF SEGMENTS DATA (HEADWIND = 8 KT) 06-19-1991 17:36:01

AIRCRAFT ID NUMBER	AIRCRAFT AND ENGINE NAMES	AIRCRAFT CATEGORY
047	B737-200/JT8D-17	JCOM

AIRCRAFT WEIGHT	STAGE NUMBER	NUMBER OF ENGINES
95000	2	2

SEG. NO.	TYPE	FLAP	START ALT (FT)	END ALT (FT)	CALIBRATED START SPEED (KCAS)	CALIBRATED END SPEED (KCAS)	SEG. LNGTH (FT)	THRST (LB)	R/C (FPM)	GRAD
1	TKOFF	5	0	0	16	146	3688	14286	0	0.00000
2	CLIMB	5	0	1000	146	146	4602	14396	3232	0.21729
3	ACCEL	5	1000	1316	146	156	2167	14474	2155	0.13999
4	ACCEL	INT	1316	1631	156	181	3225	14374	1616	0.09306
5	ACCEL	ZERO	1631	1847	181	210	4176	11956	1000	0.04929
6	CLIMB	ZERO	1847	3000	210	210	7244	11918	3508	0.15914
7	ACCEL	ZERO	3000	3324	210	250	7504	11819	1000	0.04100
8	CLIMB	ZERO	3324	5500	250	250	15647	11690	3761	0.13910
9	CLIMB	ZERO	5500	7500	250	250	16490	11541	3385	0.12129
10	CLIMB	ZERO	7500	10000	250	250	24947	11141	2896	0.10021

SEG. NO.	TYPE	FLAP	THRUST TYPE	VALUE
1	TKOFF	5	MAX TKOFF	
2	CLIMB	5	MAX TKOFF	
3	ACCEL	5	MAX TKOFF	
4	ACCEL	INT	MAX TKOFF	
5	ACCEL	ZERO	MAX CLIMB	
6	CLIMB	ZERO	MAX CLIMB	
7	ACCEL	ZERO	MAX CLIMB	
8	CLIMB	ZERO	MAX CLIMB	
9	CLIMB	ZERO	MAX CLIMB	
10	CLIMB	ZERO	MAX CLIMB	

TAKEOFF PROFILE DATA (HEADWIND = 8 KT) 06-19-1991 17:36:05

AIRCRAFT ID NUMBER	AIRCRAFT AND ENGINE NAMES	AIRCRAFT CATEGORY
047	B737-200/JT8D-17	JCOM

	DISTANCE FROM BRAKE RELEASE (FT)	HEIGHT (FT)	SPEED (KTAS)	THRUST (LB)
POINT 1	0	0	16	15384
POINT 2	3688	0	146	14286
POINT 3	8291	1000	148	14491
POINT 4	10458	1316	159	14457
POINT 5	13682	1631	185	14292
POINT 6	14682	1683	193	12048
POINT 7	17859	1847	216	11865
POINT 8	25103	3000	220	11955
POINT 9	32606	3324	263	11683
POINT 10	48253	5500	271	11639
POINT 11	64743	7500	280	11394
POINT 12	89690	10000	291	0

THRUST FOR LEVEL FLIGHT	GRADIENT AT TAKE-OFF POWER	TAKE-OFF THRUST	GRADIENT AT CLIMB POWER
4321	0.217287	14396	0.153871

CLIMB THRUST	GRADIENT AT FAR36 CUTBACK	THRUST FOR ENGINE OUT LEVEL FLIGHT	VZF (KCAS)
12382	0.085073	8642	210

NUMBER OF ENGINES	RATED THRUST LB	AIRCRAFT WEIGHT (LB)	STAGE NUMBER
2	16000	95000	2

TAKEOFF SEGMENTS DATA (HEADWIND = 8 KT) 06-19-1991 17:37:25

AIRCRAFT ID NUMBER	AIRCRAFT AND ENGINE NAMES	AIRCRAFT CATEGORY
047	B737-200/JT8D-17	JCOM

AIRCRAFT WEIGHT	STAGE NUMBER	NUMBER OF ENGINES
100000	3	2

SEG. NO.	TYPE	FLAP	START ALT (FT)	END ALT (FT)	CALIBRATED START SPEED (KCAS)	CALIBRATED END SPEED (KCAS)	SEG. LNGTH (FT)	THRST (LB)	R/C (FPM)	GRAD
1	TKOFF	5	0	0	16	150	4096	14254	0	0.00000
2	CLIMB	5	0	1000	150	150	4985	14364	3061	0.20058
3	ACCEL	5	1000	1330	150	160	2449	14442	2041	0.12905
4	ACCEL	INT	1330	1650	160	185	3553	14343	1531	0.08605
5	ACCEL	ZERO	1650	1857	185	210	4031	11944	1000	0.04878
6	CLIMB	ZERO	1857	3000	210	210	7732	11918	3258	0.14780
7	ACCEL	ZERO	3000	3359	210	250	8332	11819	1000	0.04099
8	CLIMB	ZERO	3359	5500	250	250	16627	11690	3482	0.12875
9	CLIMB	ZERO	5500	7500	250	250	17853	11541	3126	0.11203
10	CLIMB	ZERO	7500	10000	250	250	27156	11141	2660	0.09206

SEG. NO.	TYPE	FLAP	THRUST TYPE	VALUE
1	TKOFF	5	MAX TKOFF	
2	CLIMB	5	MAX TKOFF	
3	ACCEL	5	MAX TKOFF	
4	ACCEL	INT	MAX TKOFF	
5	ACCEL	ZERO	MAX CLIMB	
6	CLIMB	ZERO	MAX CLIMB	
7	ACCEL	ZERO	MAX CLIMB	
8	CLIMB	ZERO	MAX CLIMB	
9	CLIMB	ZERO	MAX CLIMB	
10	CLIMB	ZERO	MAX CLIMB	

TAKEOFF PROFILE DATA (HEADWIND = 8 KT) 06-19-1991 17:37:28

AIRCRAFT ID NUMBER	AIRCRAFT AND ENGINE NAMES	AIRCRAFT CATEGORY
047	B737-200/JT8D-17	JCOM

	DISTANCE FROM BRAKE RELEASE (FT)	HEIGHT (FT)	SPEED (KTAS)	THRUST (LB)
POINT 1	0	0	16	15384
POINT 2	4096	0	150	14254
POINT 3	9081	1000	152	14459
POINT 4	11530	1330	163	14425
POINT 5	15083	1650	190	14260
POINT 6	16083	1702	196	12022
POINT 7	19114	1857	216	11866
POINT 8	26845	3000	220	11955
POINT 9	35177	3359	263	11684
POINT 10	51805	5500	271	11639
POINT 11	69658	7500	280	11394
POINT 12	96814	10000	291	0

THRUST FOR LEVEL FLIGHT	GRADIENT AT TAKE-OFF POWER	TAKE-OFF THRUST	GRADIENT AT CLIMB POWER
4549	0.200582	14364	0.140944

CLIMB THRUST	GRADIENT AT FAR36 CUTBACK	THRUST FOR ENGINE OUT LEVEL FLIGHT	VZF (KCAS)
12355	0.085073	9097	210

NUMBER OF ENGINES	RATED THRUST LB	AIRCRAFT WEIGHT (LB)	STAGE NUMBER
2	16000	100000	3

TAKEOFF SEGMENTS DATA (HEADWIND = 8 KT) 06-19-1991 17:38:43

AIRCRAFT ID NUMBER	AIRCRAFT AND ENGINE NAMES	AIRCRAFT CATEGORY
047	B737-200/JT8D-17	JCOM

AIRCRAFT WEIGHT	STAGE NUMBER	NUMBER OF ENGINES
105000	4	2

SEG. NO.	TYPE	FLAP	START ALT (FT)	END ALT (FT)	CALIBRATED START SPEED (KCAS)	CALIBRATED END SPEED (KCAS)	SEG. LNGTH (FT)	THRST (LB)	R/C (FPM)	GRAD
1	TKOFF	5	0	0	16	153	4526	14223	0	0.00000
2	CLIMB	5	0	1000	153	153	5387	14333	2903	0.18562
3	ACCEL	5	1000	1316	153	163	2525	14412	1935	0.11963
4	ACCEL	INT	1316	1642	163	188	3883	14316	1452	0.08019
5	ACCEL	ZERO	1642	1844	188	210	3954	11932	1000	0.04842
6	CLIMB	ZERO	1844	3000	210	210	8399	11918	3035	0.13767
7	ACCEL	ZERO	3000	3399	210	250	9257	11820	1000	0.04097
8	CLIMB	ZERO	3399	5500	250	250	17595	11689	3230	0.11941
9	CLIMB	ZERO	5500	7500	250	250	19292	11541	2893	0.10367
10	CLIMB	ZERO	7500	10000	250	250	29516	11141	2447	0.08470

SEG. NO.	TYPE	FLAP	THRUST TYPE	VALUE
1	TKOFF	5	MAX TKOFF	
2	CLIMB	5	MAX TKOFF	
3	ACCEL	5	MAX TKOFF	
4	ACCEL	INT	MAX TKOFF	
5	ACCEL	ZERO	MAX CLIMB	
6	CLIMB	ZERO	MAX CLIMB	
7	ACCEL	ZERO	MAX CLIMB	
8	CLIMB	ZERO	MAX CLIMB	
9	CLIMB	ZERO	MAX CLIMB	
10	CLIMB	ZERO	MAX CLIMB	

TAKEOFF PROFILE DATA (HEADWIND = 8 KT) 06-19-1991 17:38:47

AIRCRAFT ID NUMBER	AIRCRAFT AND ENGINE NAMES	AIRCRAFT CATEGORY
047	B737-200/JT8D-17	JCOM

	DISTANCE FROM BRAKE RELEASE (FT)	HEIGHT (FT)	SPEED (KTAS)	THRUST (LB)
POINT 1	0	0	16	15384
POINT 2	4526	0	153	14223
POINT 3	9913	1000	156	14427
POINT 4	12438	1316	166	14397
POINT 5	16321	1642	193	14234
POINT 6	17321	1693	198	11999
POINT 7	20275	1844	216	11865
POINT 8	28674	3000	220	11955
POINT 9	37931	3399	263	11685
POINT 10	55526	5500	271	11639
POINT 11	74818	7500	280	11394
POINT 12	104334	10000	291	0

THRUST FOR LEVEL FLIGHT	GRADIENT AT TAKE-OFF POWER	TAKE-OFF THRUST	GRADIENT AT CLIMB POWER
4776	0.185622	14333	0.129319

CLIMB THRUST	GRADIENT AT FAR36 CUTBACK	THRUST FOR ENGINE OUT LEVEL FLIGHT	VZF (KCAS)
12328	0.085073	9552	210

NUMBER OF ENGINES	RATED THRUST LB	AIRCRAFT WEIGHT (LB)	STAGE NUMBER
2	16000	105000	4

APPROACH PROFILE DATA (HEADWIND = 8 KT) 02-15-1992 12:52:31

AIRCRAFT ID NUMBER	AIRCRAFT AND ENGINE NAMES	AIRCRAFT CATEGORY
047	B737-200/JT8D-17	JCOM

	DISTANCE FROM RW THRESHOLD (FT)	HEIGHT (FT)	SPEED (KTAS)	THRUST (LB)	FLAPS
POINT 1	113533	6000	273	811	ZERO
POINT 2	56289	3000	178	1967	5
POINT 3	27668	1500	143	3170	D 25
POINT 4	18127	1000	140	3716	D 30
POINT 5	-954	0	138	3584	D 30
POINT 6	-1241	0	131	9600	
POINT 7	-3820	0	30	1600	

NUMBER OF ENGINES	RATED THRUST LB	AIRCRAFT WEIGHT (LB)	GLIDE SLOPE
2	16000	96300	3.00

TAKEOFF SEGMENTS DATA (HEADWIND = 8 KT) 06-21-1991 11:52:46

AIRCRAFT ID NUMBER	AIRCRAFT AND ENGINE NAMES	AIRCRAFT CATEGORY
048	MD-81/JT8D-209	JCOM

AIRCRAFT WEIGHT	STAGE NUMBER	NUMBER OF ENGINES
115000	1	2

SEG. NO.	TYPE	FLAP	START ALT (FT)	END ALT (FT)	CALIBRATED START SPEED (KCAS)	CALIBRATED END SPEED (KCAS)	SEG. LNGTH (FT)	THRST (LB)	R/C (FPM)	GRAD
1	TKOFF	11	0	0	16	144	3897	15740	0	0.00000
2	CLIMB	11	0	1000	144	144	5022	15840	2926	0.19913
3	ACCEL	INT1	1000	1299	144	154	2238	15895	1951	0.12816
4	ACCEL	INT1	1299	1605	154	176	3391	15715	1463	0.08601
5	ACCEL	INT2	1605	1951	176	219	6736	13876	1000	0.04875
6	CLIMB	INT3	1951	3000	219	219	6781	14003	3560	0.15476
7	ACCEL	INT4	3000	3252	219	250	5964	14150	1000	0.04024
8	CLIMB	ZERO	3252	5500	250	250	15883	14522	3824	0.14151
9	CLIMB	ZERO	5500	7500	250	250	14705	15319	3796	0.13601
10	CLIMB	ZERO	7500	10000	250	250	19296	16163	3743	0.12956

SEG. NO.	TYPE	FLAP	THRUST TYPE	VALUE
1	TKOFF	11	MAX TKOFF	
2	CLIMB	11	MAX TKOFF	
3	ACCEL	INT1	MAX TKOFF	
4	ACCEL	INT1	MAX TKOFF	
5	ACCEL	INT2	MAX CLIMB	
6	CLIMB	INT3	MAX CLIMB	
7	ACCEL	INT4	MAX CLIMB	
8	CLIMB	ZERO	MAX CLIMB	
9	CLIMB	ZERO	MAX CLIMB	
10	CLIMB	ZERO	MAX CLIMB	

TAKEOFF PROFILE DATA (HEADWIND = 8 KT) 06-21-1991 11:52:51

AIRCRAFT ID NUMBER	AIRCRAFT AND ENGINE NAMES	AIRCRAFT CATEGORY
048	MD-81/JT8D-209	JCOM

	DISTANCE FROM BRAKE RELEASE (FT)	HEIGHT (FT)	SPEED (KTAS)	THRUST (LB)
POINT 1	0	0	16	17660
POINT 2	3897	0	144	15740
POINT 3	8919	1000	146	15940
POINT 4	11157	1299	157	15850
POINT 5	14548	1605	180	15581
POINT 6	15548	1657	187	13945
POINT 7	21283	1951	225	13806
POINT 8	28064	3000	229	14200
POINT 9	34028	3252	262	14101
POINT 10	49911	5500	271	14944
POINT 11	64616	7500	280	15694
POINT 12	83912	10000	291	0

THRUST FOR LEVEL FLIGHT	GRADIENT AT TAKE-OFF POWER	TAKE-OFF THRUST	GRADIENT AT CLIMB POWER
4619	0.199128	15840	0.156143

CLIMB THRUST	GRADIENT AT FAR36 CUTBACK	THRUST FOR ENGINE OUT LEVEL FLIGHT	VZF (KCAS)
14481	0.075054	9237	219

NUMBER OF ENGINES	RATED THRUST LB	AIRCRAFT WEIGHT (LB)	STAGE NUMBER
2	19300	115000	1

TAKEOFF SEGMENTS DATA (HEADWIND = 8 KT) 06-21-1991 11:54:14

AIRCRAFT ID NUMBER	AIRCRAFT AND ENGINE NAMES	AIRCRAFT CATEGORY
048	MD-81/JT8D-209	JCOM

AIRCRAFT WEIGHT	STAGE NUMBER	NUMBER OF ENGINES
126000	2	2

SEG. NO.	TYPE	FLAP	START ALT (FT)	END ALT (FT)	CALIBRATED START SPEED (KCAS)	CALIBRATED END SPEED (KCAS)	SEG. LNGTH (FT)	THRST (LB)	R/C (FPM)	GRAD
1	TKOFF	11	0	0	16	151	4708	15639	0	0.00000
2	CLIMB	11	0	1000	151	151	5802	15739	2651	0.17235
3	ACCEL	INT1	1000	1320	151	161	2764	15794	1767	0.11071
4	ACCEL	INT1	1320	1671	161	185	4499	15604	1326	0.07423
5	ACCEL	INT2	1671	2105	185	230	8914	13854	1000	0.04632
6	CLIMB	INT3	2105	3000	230	230	6651	13963	3256	0.13459
7	ACCEL	INT4	3000	3195	230	250	4723	14105	1000	0.03933
8	CLIMB	ZERO	3195	5500	250	250	18697	14511	3329	0.12326
9	CLIMB	ZERO	5500	7500	250	250	16918	15319	3299	0.11822
10	CLIMB	ZERO	7500	10000	250	250	22249	16163	3247	0.11236

SEG. NO.	TYPE	FLAP	THRUST TYPE	VALUE
1	TKOFF	11	MAX TKOFF	
2	CLIMB	11	MAX TKOFF	
3	ACCEL	INT1	MAX TKOFF	
4	ACCEL	INT1	MAX TKOFF	
5	ACCEL	INT2	MAX CLIMB	
6	CLIMB	INT3	MAX CLIMB	
7	ACCEL	INT4	MAX CLIMB	
8	CLIMB	ZERO	MAX CLIMB	
9	CLIMB	ZERO	MAX CLIMB	
10	CLIMB	ZERO	MAX CLIMB	

TAKEOFF PROFILE DATA (HEADWIND = 8 KT) 06-21-1991 11:54:18

AIRCRAFT ID NUMBER	AIRCRAFT AND ENGINE NAMES	AIRCRAFT CATEGORY
048	MD-81/JT8D-209	JCOM

	DISTANCE FROM BRAKE RELEASE (FT)	HEIGHT (FT)	SPEED (KTAS)	THRUST (LB)
POINT 1	0	0	16	17660
POINT 2	4708	0	151	15639
POINT 3	10510	1000	153	15839
POINT 4	13274	1320	164	15749
POINT 5	17773	1671	190	15459
POINT 6	18773	1719	195	13913
POINT 7	26688	2105	237	13795
POINT 8	33338	3000	240	14131
POINT 9	38061	3195	262	14079
POINT 10	56758	5500	271	14944
POINT 11	73676	7500	280	15694
POINT 12	95925	10000	291	0

THRUST FOR LEVEL FLIGHT	GRADIENT AT TAKE-OFF POWER	TAKE-OFF THRUST	GRADIENT AT CLIMB POWER
5060	0.172352	15739	0.134586

CLIMB THRUST	GRADIENT AT FAR36 CUTBACK	THRUST FOR ENGINE OUT LEVEL FLIGHT	VZF (KCAS)
14439	0.075054	10121	230

NUMBER OF ENGINES	RATED THRUST LB	AIRCRAFT WEIGHT (LB)	STAGE NUMBER
2	19300	126000	2

TAKEOFF SEGMENTS DATA (HEADWIND = 8 KT) 06-21-1991 11:55:40

AIRCRAFT ID NUMBER	AIRCRAFT AND ENGINE NAMES	AIRCRAFT CATEGORY
048	MD-81/JT8D-209	JCOM

AIRCRAFT WEIGHT	STAGE NUMBER	NUMBER OF ENGINES
137000	3	2

SEG. NO.	TYPE	FLAP	START ALT (FT)	END ALT (FT)	CALIBRATED START SPEED (KCAS)	CALIBRATED END SPEED (KCAS)	SEG. LNGTH (FT)	THRST (LB)	R/C (FPM)	GRAD
1	TKOFF	11	0	0	16	157	5601	15542	0	0.00000
2	CLIMB	11	0	1000	157	157	6657	15642	2409	0.15022
3	ACCEL	INT1	1000	1320	157	167	3161	15701	1606	0.09662
4	ACCEL	INT1	1320	1719	167	193	5859	15504	1205	0.06477
5	ACCEL	INT2	1719	2264	193	240	11700	13837	1000	0.04432
6	CLIMB	INT3	2264	3000	240	240	6245	13930	2978	0.11787
7	ACCEL	INT4	3000	3117	240	250	2892	14059	1000	0.03855
8	CLIMB	ZERO	3117	5500	250	250	22050	14497	2917	0.10806
9	CLIMB	ZERO	5500	7500	250	250	19349	15319	2885	0.10336
10	CLIMB	ZERO	7500	10000	250	250	25509	16163	2832	0.09801

SEG. NO.	TYPE	FLAP	THRUST TYPE	VALUE
1	TKOFF	11	MAX TKOFF	
2	CLIMB	11	MAX TKOFF	
3	ACCEL	INT1	MAX TKOFF	
4	ACCEL	INT1	MAX TKOFF	
5	ACCEL	INT2	MAX CLIMB	
6	CLIMB	INT3	MAX CLIMB	
7	ACCEL	INT4	MAX CLIMB	
8	CLIMB	ZERO	MAX CLIMB	
9	CLIMB	ZERO	MAX CLIMB	
10	CLIMB	ZERO	MAX CLIMB	

TAKEOFF PROFILE DATA (HEADWIND = 8 KT) 06-21-1991 11:55:43

AIRCRAFT ID NUMBER	AIRCRAFT AND ENGINE NAMES	AIRCRAFT CATEGORY
048	MD-81/JT8D-209	JCOM

	DISTANCE FROM BRAKE RELEASE (FT)	HEIGHT (FT)	SPEED (KTAS)	THRUST (LB)
POINT 1	0	0	16	17660
POINT 2	5601	0	157	15542
POINT 3	12258	1000	160	15742
POINT 4	15419	1320	170	15659
POINT 5	21278	1719	198	15349
POINT 6	22278	1765	202	13881
POINT 7	32978	2264	248	13792
POINT 8	39223	3000	251	14068
POINT 9	42115	3117	262	14050
POINT 10	64165	5500	271	14944
POINT 11	83514	7500	280	15694
POINT 12	109023	10000	291	0

THRUST FOR LEVEL FLIGHT	GRADIENT AT TAKE-OFF POWER	TAKE-OFF THRUST	GRADIENT AT CLIMB POWER
5502	0.150218	15642	0.116658

CLIMB THRUST	GRADIENT AT FAR36 CUTBACK	THRUST FOR ENGINE OUT LEVEL FLIGHT	VZF (KCAS)
14398	0.075054	11004	240

NUMBER OF ENGINES	RATED THRUST LB	AIRCRAFT WEIGHT (LB)	STAGE NUMBER
2	19300	137000	3

APPROACH PROFILE DATA (HEADWIND = 8 KT) 02-15-1992 13:36:19

AIRCRAFT ID NUMBER	AIRCRAFT AND ENGINE NAMES	AIRCRAFT CATEGORY
048	MD-81/JT8D-209	JCOM

	DISTANCE FROM RW THRESHOLD (FT)	HEIGHT (FT)	SPEED (KTAS)	THRUST (LB)	FLAPS
POINT 1	113533	6000	273	1208	ZERO
POINT 2	56289	3000	168	1695	11
POINT 3	27668	1500	151	3247	U INTR
POINT 4	18127	1000	138	4807	D 40
POINT 5	-954	0	136	4636	D 40
POINT 6	-1296	0	129	11580	
POINT 7	-4374	0	30	1930	

NUMBER OF ENGINES	RATED THRUST LB	AIRCRAFT WEIGHT (LB)	GLIDE SLOPE
2	19300	115200	3.00

TAKEOFF SEGMENTS DATA (HEADWIND = 8 KT) 06-26-1991 09:25:46

AIRCRAFT ID NUMBER	AIRCRAFT AND ENGINE NAMES	AIRCRAFT CATEGORY
049	MD-82/JT8D-217A	JCOM

AIRCRAFT WEIGHT	STAGE NUMBER	NUMBER OF ENGINES
117000	1	2

SEG. NO.	TYPE	FLAP	START ALT (FT)	END ALT (FT)	CALIBRATED START SPEED (KCAS)	CALIBRATED END SPEED (KCAS)	SEG. LNGTH (FT)	THRST (LB)	R/C (FPM)	GRAD
1	TKOFF	11	0	0	16	145	3685	17177	0	0.00000
2	CLIMB	11	0	1000	145	145	4599	17277	3214	0.21743
3	ACCEL	INT1	1000	1296	145	155	2030	17330	2143	0.14012
4	ACCEL	INT1	1296	1611	155	178	3204	17143	1607	0.09369
5	ACCEL	INT2	1611	1905	178	221	5797	15299	1000	0.04828
6	CLIMB	INT3	1905	3000	221	221	6355	15391	3997	0.17224
7	ACCEL	INT4	3000	3204	221	250	4831	15528	1000	0.04008
8	CLIMB	ZERO	3204	5500	250	250	14429	15912	4299	0.15914
9	CLIMB	ZERO	5500	7500	250	250	13062	16796	4273	0.15312
10	CLIMB	ZERO	7500	10000	250	250	17109	17722	4222	0.14612

SEG. NO.	TYPE	FLAP	THRUST TYPE	VALUE
1	TKOFF	11	MAX TKOFF	
2	CLIMB	11	MAX TKOFF	
3	ACCEL	INT1	MAX TKOFF	
4	ACCEL	INT1	MAX TKOFF	
5	ACCEL	INT2	MAX CLIMB	
6	CLIMB	INT3	MAX CLIMB	
7	ACCEL	INT4	MAX CLIMB	
8	CLIMB	ZERO	MAX CLIMB	
9	CLIMB	ZERO	MAX CLIMB	
10	CLIMB	ZERO	MAX CLIMB	

TAKEOFF PROFILE DATA (HEADWIND = 8 KT) 06-26-1991 09:25:49

AIRCRAFT ID NUMBER	AIRCRAFT AND ENGINE NAMES	AIRCRAFT CATEGORY
049	MD-82/JT8D-217A	JCOM

	DISTANCE FROM BRAKE RELEASE (FT)	HEIGHT (FT)	SPEED (KTAS)	THRUST (LB)
POINT 1	0	0	16	19110
POINT 2	3685	0	145	17177
POINT 3	8284	1000	147	17377
POINT 4	10314	1296	158	17284
POINT 5	13518	1611	182	17002
POINT 6	14518	1662	190	15432
POINT 7	19315	1905	227	15166
POINT 8	25671	3000	231	15616
POINT 9	30502	3204	262	15439
POINT 10	44931	5500	271	16385
POINT 11	57993	7500	280	17208
POINT 12	75102	10000	291	0

THRUST FOR LEVEL FLIGHT	GRADIENT AT TAKE-OFF POWER	TAKE-OFF THRUST	GRADIENT AT CLIMB POWER
4851	0.217427	17277	0.175895

CLIMB THRUST	GRADIENT AT FAR36 CUTBACK	THRUST FOR ENGINE OUT LEVEL FLIGHT	VZF (KCAS)
16096	0.077499	9702	221

NUMBER OF ENGINES	RATED THRUST LB	AIRCRAFT WEIGHT (LB)	STAGE NUMBER
2	20900	117000	1

TAKEOFF SEGMENTS DATA (HEADWIND = 8 KT) 06-26-1991 09:27:46

AIRCRAFT ID NUMBER	AIRCRAFT AND ENGINE NAMES	AIRCRAFT CATEGORY
049	MD-82/JT8D-217A	JCOM

AIRCRAFT WEIGHT	STAGE NUMBER	NUMBER OF ENGINES
124000	2	2

SEG. NO.	TYPE	FLAP	START ALT (FT)	END ALT (FT)	CALIBRATED START SPEED (KCAS)	CALIBRATED END SPEED (KCAS)	SEG. LNGTH (FT)	THRST (LB)	R/C (FPM)	GRAD
1	TKOFF	11	0	0	16	149	4155	17113	0	0.00000
2	CLIMB	11	0	1000	149	149	5032	17213	3024	0.19871
3	ACCEL	INT1	1000	1295	149	159	2204	17268	2016	0.12807
4	ACCEL	INT1	1295	1632	159	183	3750	17078	1512	0.08576
5	ACCEL	INT2	1632	1975	183	228	6971	15263	1000	0.04683
6	CLIMB	INT3	1975	3000	228	228	6494	15342	3780	0.15781
7	ACCEL	INT4	3000	3172	228	250	4139	15490	1000	0.03950
8	CLIMB	ZERO	3172	5500	250	250	15912	15905	3951	0.14631
9	CLIMB	ZERO	5500	7500	250	250	14223	16796	3924	0.14062
10	CLIMB	ZERO	7500	10000	250	250	18649	17722	3873	0.13405

SEG. NO.	TYPE	FLAP	THRUST TYPE	VALUE
1	TKOFF	11	MAX TKOFF	
2	CLIMB	11	MAX TKOFF	
3	ACCEL	INT1	MAX TKOFF	
4	ACCEL	INT1	MAX TKOFF	
5	ACCEL	INT2	MAX CLIMB	
6	CLIMB	INT3	MAX CLIMB	
7	ACCEL	INT4	MAX CLIMB	
8	CLIMB	ZERO	MAX CLIMB	
9	CLIMB	ZERO	MAX CLIMB	
10	CLIMB	ZERO	MAX CLIMB	

TAKEOFF PROFILE DATA (HEADWIND = 8 KT) 06-26-1991 09:27:49

AIRCRAFT ID NUMBER	AIRCRAFT AND ENGINE NAMES	AIRCRAFT CATEGORY
049	MD-82/JT8D-217A	JCOM

	DISTANCE FROM BRAKE RELEASE (FT)	HEIGHT (FT)	SPEED (KTAS)	THRUST (LB)
POINT 1	0	0	16	19110
POINT 2	4155	0	149	17113
POINT 3	9187	1000	151	17313
POINT 4	11391	1295	162	17224
POINT 5	15141	1632	187	16931
POINT 6	16141	1681	194	15395
POINT 7	22112	1975	235	15132
POINT 8	28606	3000	238	15553
POINT 9	32745	3172	262	15426
POINT 10	48657	5500	271	16385
POINT 11	62879	7500	280	17208
POINT 12	81529	10000	291	0

THRUST FOR LEVEL FLIGHT	GRADIENT AT TAKE-OFF POWER	TAKE-OFF THRUST	GRADIENT AT CLIMB POWER
5141	0.198711	17213	0.160364

CLIMB THRUST	GRADIENT AT FAR36 CUTBACK	THRUST FOR ENGINE OUT LEVEL FLIGHT	VZF (KCAS)
16057	0.077499	10283	228

NUMBER OF ENGINES	RATED THRUST LB	AIRCRAFT WEIGHT (LB)	STAGE NUMBER
2	20900	124000	2

TAKEOFF SEGMENTS DATA (HEADWIND = 8 KT) 06-26-1991 09:29:20

AIRCRAFT ID NUMBER	AIRCRAFT AND ENGINE NAMES	AIRCRAFT CATEGORY
049	MD-82/JT8D-217A	JCOM

AIRCRAFT WEIGHT	STAGE NUMBER	NUMBER OF ENGINES
132000	3	2

SEG. NO.	TYPE	FLAP	START ALT (FT)	END ALT (FT)	CALIBRATED START SPEED (KCAS)	CALIBRATED END SPEED (KCAS)	SEG. LNGTH (FT)	THRST (LB)	R/C (FPM)	GRAD
1	TKOFF	11	0	0	16	154	4728	17041	0	0.00000
2	CLIMB	11	0	1000	154	154	5556	17141	2826	0.17999
3	ACCEL	INT1	1000	1310	154	164	2556	17197	1884	0.11584
4	ACCEL	INT1	1310	1672	164	189	4450	17001	1413	0.07756
5	ACCEL	INT2	1672	2069	189	235	8325	15232	1000	0.04535
6	CLIMB	INT3	2069	3000	235	235	6494	15299	3543	0.14339
7	ACCEL	INT4	3000	3132	235	250	3232	15450	1000	0.03894
8	CLIMB	ZERO	3132	5500	250	250	17750	15897	3601	0.13338
9	CLIMB	ZERO	5500	7500	250	250	15622	16796	3573	0.12802
10	CLIMB	ZERO	7500	10000	250	250	20512	17722	3522	0.12188

SEG. NO.	TYPE	FLAP	THRUST TYPE	VALUE
1	TKOFF	11	MAX TKOFF	
2	CLIMB	11	MAX TKOFF	
3	ACCEL	INT1	MAX TKOFF	
4	ACCEL	INT1	MAX TKOFF	
5	ACCEL	INT2	MAX CLIMB	
6	CLIMB	INT3	MAX CLIMB	
7	ACCEL	INT4	MAX CLIMB	
8	CLIMB	ZERO	MAX CLIMB	
9	CLIMB	ZERO	MAX CLIMB	
10	CLIMB	ZERO	MAX CLIMB	

TAKEOFF PROFILE DATA (HEADWIND = 8 KT) 06-26-1991 09:29:24

AIRCRAFT ID NUMBER	AIRCRAFT AND ENGINE NAMES	AIRCRAFT CATEGORY
049	MD-82/JT8D-217A	JCOM

	DISTANCE FROM BRAKE RELEASE (FT)	HEIGHT (FT)	SPEED (KTAS)	THRUST (LB)
POINT 1	0	0	16	19110
POINT 2	4728	0	154	17041
POINT 3	10284	1000	156	17241
POINT 4	12840	1310	167	17152
POINT 5	17290	1672	194	16849
POINT 6	18290	1720	200	15358
POINT 7	25615	2069	242	15107
POINT 8	32109	3000	246	15490
POINT 9	35340	3132	262	15410
POINT 10	53091	5500	271	16385
POINT 11	68713	7500	280	17208
POINT 12	89225	10000	291	0

THRUST FOR LEVEL FLIGHT	GRADIENT AT TAKE-OFF POWER	TAKE-OFF THRUST	GRADIENT AT CLIMB POWER
5473	0.179989	17141	0.144764

CLIMB THRUST	GRADIENT AT FAR36 CUTBACK	THRUST FOR ENGINE OUT LEVEL FLIGHT	VZF (KCAS)
16014	0.077499	10946	235

NUMBER OF ENGINES	RATED THRUST LB	AIRCRAFT WEIGHT (LB)	STAGE NUMBER
2	20900	132000	3

TAKEOFF SEGMENTS DATA (HEADWIND = 8 KT) 06-26-1991 09:31:03

AIRCRAFT ID NUMBER	AIRCRAFT AND ENGINE NAMES	AIRCRAFT CATEGORY
049	MD-82/JT8D-217A	JCOM

AIRCRAFT WEIGHT	STAGE NUMBER	NUMBER OF ENGINES
148000	4	2

SEG. NO.	TYPE	FLAP	START ALT (FT)	END ALT (FT)	CALIBRATED START SPEED (KCAS)	CALIBRATED END SPEED (KCAS)	SEG. LNGTH (FT)	THRST (LB)	R/C (FPM)	GRAD
1	TKOFF	11	0	0	16	163	5991	16906	0	0.00000
2	CLIMB	11	0	1000	163	163	6707	17006	2479	0.14910
3	ACCEL	INT1	1000	1323	163	173	3214	17063	1653	0.09596
4	ACCEL	INT1	1323	1754	173	201	6395	16853	1240	0.06413
5	ACCEL	INT2	1754	2295	201	250	12088	15174	1000	0.04252
6	CLIMB	INT3	2295	3000	250	250	5913	15210	3141	0.11930
7	CLIMB	ZERO	3000	5500	250	250	22337	15870	3018	0.11192
8	CLIMB	ZERO	5500	7500	250	250	18684	16796	2987	0.10704
9	CLIMB	ZERO	7500	10000	250	250	24605	17722	2936	0.10160

SEG. NO.	TYPE	FLAP	THRUST TYPE	VALUE
1	TKOFF	11	MAX TKOFF	
2	CLIMB	11	MAX TKOFF	
3	ACCEL	INT1	MAX TKOFF	
4	ACCEL	INT1	MAX TKOFF	
5	ACCEL	INT2	MAX CLIMB	
6	CLIMB	INT3	MAX CLIMB	
7	CLIMB	ZERO	MAX CLIMB	
8	CLIMB	ZERO	MAX CLIMB	
9	CLIMB	ZERO	MAX CLIMB	

TAKEOFF PROFILE DATA (HEADWIND = 8 KT) 06-26-1991 09:31:06

AIRCRAFT ID NUMBER	AIRCRAFT AND ENGINE NAMES	AIRCRAFT CATEGORY
049	MD-82/JT8D-217A	JCOM

	DISTANCE FROM BRAKE RELEASE (FT)	HEIGHT (FT)	SPEED (KTAS)	THRUST (LB)
POINT 1	0	0	16	19110
POINT 2	5991	0	163	16906
POINT 3	12698	1000	165	17106
POINT 4	15912	1323	176	17020
POINT 5	22308	1754	206	16686
POINT 6	23308	1799	211	15283
POINT 7	34395	2295	259	15065
POINT 8	40308	3000	261	15355
POINT 9	62645	5500	271	16385
POINT 10	81329	7500	280	17208
POINT 11	105934	10000	291	0

THRUST FOR LEVEL FLIGHT	GRADIENT AT TAKE-OFF POWER	TAKE-OFF THRUST	GRADIENT AT CLIMB POWER
6136	0.149099	17006	0.118896

CLIMB THRUST	GRADIENT AT FAR36 CUTBACK	THRUST FOR ENGINE OUT LEVEL FLIGHT	VZF (KCAS)
15933	0.077499	12273	250

NUMBER OF ENGINES	RATED THRUST LB	AIRCRAFT WEIGHT (LB)	STAGE NUMBER
2	20900	148000	4

APPROACH PROFILE DATA (HEADWIND = 8 KT) 02-15-1992 13:37:19

AIRCRAFT ID NUMBER	AIRCRAFT AND ENGINE NAMES	AIRCRAFT CATEGORY
049	MD-82/JT8D-217A	JCOM

	DISTANCE FROM RW THRESHOLD (FT)	HEIGHT (FT)	SPEED (KTAS)	THRUST (LB)	FLAPS
POINT 1	113533	6000	273	1140	ZERO
POINT 2	56289	3000	169	1885	11
POINT 3	27668	1500	152	3378	U INTR
POINT 4	18127	1000	139	4882	D 40
POINT 5	-954	0	137	4709	D 40
POINT 6	-1301	0	130	12540	
POINT 7	-4428	0	30	2090	

NUMBER OF ENGINES	RATED THRUST LB	AIRCRAFT WEIGHT (LB)	GLIDE SLOPE
2	20900	117000	3.00

TAKEOFF SEGMENTS DATA (HEADWIND = 8 KT) 06-21-1991 11:59:53

AIRCRAFT ID NUMBER	AIRCRAFT AND ENGINE NAMES	AIRCRAFT CATEGORY
050	MD-83/JT8D-219	JCOM

AIRCRAFT WEIGHT	STAGE NUMBER	NUMBER OF ENGINES
125000	1	2

SEG. NO.	TYPE	FLAP	START ALT (FT)	END ALT (FT)	CALIBRATED START SPEED (KCAS)	CALIBRATED END SPEED (KCAS)	SEG. LNGTH (FT)	THRST (LB)	R/C (FPM)	GRAD
1	TKOFF	11	0	0	16	149	4002	18158	0	0.00000
2	CLIMB	11	0	1000	149	149	4693	18208	3249	0.21307
3	ACCEL	INT1	1000	1297	149	159	2069	18201	2166	0.13765
4	ACCEL	INT1	1297	1657	159	184	3740	17975	1625	0.09193
5	ACCEL	INT2	1657	1980	184	229	6583	15845	1000	0.04660
6	CLIMB	INT3	1980	3000	229	229	6205	15961	3956	0.16442
7	ACCEL	INT4	3000	3153	229	250	3689	16128	1000	0.03943
8	CLIMB	ZERO	3153	5500	250	250	15215	16569	4165	0.15425
9	CLIMB	ZERO	5500	7500	250	250	13521	17468	4128	0.14792
10	CLIMB	ZERO	7500	10000	250	250	17762	18399	4067	0.14075

SEG. NO.	TYPE	FLAP	THRUST TYPE	VALUE
1	TKOFF	11	MAX TKOFF	
2	CLIMB	11	MAX TKOFF	
3	ACCEL	INT1	MAX TKOFF	
4	ACCEL	INT1	MAX TKOFF	
5	ACCEL	INT2	MAX CLIMB	
6	CLIMB	INT3	MAX CLIMB	
7	ACCEL	INT4	MAX CLIMB	
8	CLIMB	ZERO	MAX CLIMB	
9	CLIMB	ZERO	MAX CLIMB	
10	CLIMB	ZERO	MAX CLIMB	

TAKEOFF PROFILE DATA (HEADWIND = 8 KT) 06-21-1991 11:59:55

AIRCRAFT ID NUMBER	AIRCRAFT AND ENGINE NAMES	AIRCRAFT CATEGORY
050	MD-83/JT8D-219	JCOM

	DISTANCE FROM BRAKE RELEASE (FT)	HEIGHT (FT)	SPEED (KTAS)	THRUST (LB)
POINT 1	0	0	16	20160
POINT 2	4002	0	149	18158
POINT 3	8695	1000	152	18258
POINT 4	10764	1297	162	18145
POINT 5	14504	1657	189	17806
POINT 6	15504	1706	196	15940
POINT 7	21087	1980	236	15750
POINT 8	27292	3000	239	16172
POINT 9	30981	3153	262	16084
POINT 10	46196	5500	271	17054
POINT 11	59718	7500	280	17882
POINT 12	77479	10000	291	0

THRUST FOR LEVEL FLIGHT	GRADIENT AT TAKE-OFF POWER	TAKE-OFF THRUST	GRADIENT AT CLIMB POWER
5190	0.213068	18208	0.165634

CLIMB THRUST	GRADIENT AT FAR36 CUTBACK	THRUST FOR ENGINE OUT LEVEL FLIGHT	VZF (KCAS)
16537	0.077607	10380	229

NUMBER OF ENGINES	RATED THRUST LB	AIRCRAFT WEIGHT (LB)	STAGE NUMBER
2	21700	125000	1

TAKEOFF SEGMENTS DATA (HEADWIND = 8 KT) 06-21-1991 12:01:29

AIRCRAFT ID NUMBER	AIRCRAFT AND ENGINE NAMES	AIRCRAFT CATEGORY
050	MD-83/JT8D-219	JCOM

AIRCRAFT WEIGHT	STAGE NUMBER	NUMBER OF ENGINES
133000	2	2

SEG. NO.	TYPE	FLAP	START ALT (FT)	END ALT (FT)	CALIBRATED START SPEED (KCAS)	CALIBRATED END SPEED (KCAS)	SEG. LNGTH (FT)	THRST (LB)	R/C (FPM)	GRAD
1	TKOFF	11	0	0	16	154	4548	18088	0	0.00000
2	CLIMB	11	0	1000	154	154	5169	18138	3043	0.19348
3	ACCEL	INT1	1000	1313	154	164	2403	18129	2029	0.12478
4	ACCEL	INT1	1313	1700	164	190	4421	17896	1522	0.08332
5	ACCEL	INT2	1700	2070	190	236	7811	15825	1000	0.04512
6	CLIMB	INT3	2070	3000	236	236	6207	15929	3717	0.14980
7	ACCEL	INT4	3000	3114	236	250	2798	16094	1000	0.03887
8	CLIMB	ZERO	3114	5500	250	250	16925	16561	3805	0.14095
9	CLIMB	ZERO	5500	7500	250	250	14817	17468	3767	0.13498
10	CLIMB	ZERO	7500	10000	250	250	19488	18399	3707	0.12828

SEG. NO.	TYPE	FLAP	THRUST TYPE	VALUE
1	TKOFF	11	MAX TKOFF	
2	CLIMB	11	MAX TKOFF	
3	ACCEL	INT1	MAX TKOFF	
4	ACCEL	INT1	MAX TKOFF	
5	ACCEL	INT2	MAX CLIMB	
6	CLIMB	INT3	MAX CLIMB	
7	ACCEL	INT4	MAX CLIMB	
8	CLIMB	ZERO	MAX CLIMB	
9	CLIMB	ZERO	MAX CLIMB	
10	CLIMB	ZERO	MAX CLIMB	

TAKEOFF PROFILE DATA (HEADWIND = 8 KT) 06-21-1991 12:01:32

AIRCRAFT ID NUMBER	AIRCRAFT AND ENGINE NAMES	AIRCRAFT CATEGORY
050	MD-83/JT8D-219	JCOM

	DISTANCE FROM BRAKE RELEASE (FT)	HEIGHT (FT)	SPEED (KTAS)	THRUST (LB)
POINT 1	0	0	16	20160
POINT 2	4548	0	154	18088
POINT 3	9717	1000	156	18188
POINT 4	12119	1313	167	18071
POINT 5	16540	1700	195	17720
POINT 6	17540	1747	201	15914
POINT 7	24351	2070	243	15737
POINT 8	30558	3000	247	16121
POINT 9	33356	3114	262	16068
POINT 10	50281	5500	271	17054
POINT 11	65098	7500	280	17882
POINT 12	84586	10000	291	0

THRUST FOR LEVEL FLIGHT	GRADIENT AT TAKE-OFF POWER	TAKE-OFF THRUST	GRADIENT AT CLIMB POWER
5522	0.193477	18138	0.149917

CLIMB THRUST	GRADIENT AT FAR36 CUTBACK	THRUST FOR ENGINE OUT LEVEL FLIGHT	VZF (KCAS)
16504	0.077607	11044	236

NUMBER OF ENGINES	RATED THRUST LB	AIRCRAFT WEIGHT (LB)	STAGE NUMBER
2	21700	133000	2

TAKEOFF SEGMENTS DATA (HEADWIND = 8 KT) 06-21-1991 12:03:43

AIRCRAFT ID NUMBER	AIRCRAFT AND ENGINE NAMES	AIRCRAFT CATEGORY
050	MD-83/JT8D-219	JCOM

AIRCRAFT WEIGHT	STAGE NUMBER	NUMBER OF ENGINES
141000	3	2

SEG. NO.	TYPE	FLAP	START ALT (FT)	END ALT (FT)	CALIBRATED START SPEED (KCAS)	CALIBRATED END SPEED (KCAS)	SEG. LNGTH (FT)	THRST (LB)	R/C (FPM)	GRAD
1	TKOFF	11	0	0	16	159	5131	18019	0	0.00000
2	CLIMB	11	0	1000	159	159	5672	18069	2855	0.17632
3	ACCEL	INT1	1000	1334	159	169	2815	18059	1903	0.11345
4	ACCEL	INT1	1334	1748	169	196	5203	17817	1428	0.07574
5	ACCEL	INT2	1748	2182	196	244	9461	15808	1000	0.04363
6	CLIMB	INT3	2182	3000	244	244	5981	15894	3513	0.13682
7	ACCEL	INT4	3000	3055	244	250	1365	16053	1000	0.03826
8	CLIMB	ZERO	3055	5500	250	250	18918	16549	3487	0.12925
9	CLIMB	ZERO	5500	7500	250	250	16186	17468	3449	0.12357
10	CLIMB	ZERO	7500	10000	250	250	21317	18399	3389	0.11728

SEG. NO.	TYPE	FLAP	THRUST TYPE	VALUE
1	TKOFF	11	MAX TKOFF	
2	CLIMB	11	MAX TKOFF	
3	ACCEL	INT1	MAX TKOFF	
4	ACCEL	INT1	MAX TKOFF	
5	ACCEL	INT2	MAX CLIMB	
6	CLIMB	INT3	MAX CLIMB	
7	ACCEL	INT4	MAX CLIMB	
8	CLIMB	ZERO	MAX CLIMB	
9	CLIMB	ZERO	MAX CLIMB	
10	CLIMB	ZERO	MAX CLIMB	

TAKEOFF PROFILE DATA (HEADWIND = 8 KT) 06-21-1991 12:03:49

AIRCRAFT ID NUMBER	AIRCRAFT AND ENGINE NAMES	AIRCRAFT CATEGORY
050	MD-83/JT8D-219	JCOM

	DISTANCE FROM BRAKE RELEASE (FT)	HEIGHT (FT)	SPEED (KTAS)	THRUST (LB)
POINT 1	0	0	16	20160
POINT 2	5131	0	159	18019
POINT 3	10803	1000	161	18119
POINT 4	13617	1334	172	17998
POINT 5	18820	1748	201	17635
POINT 6	19820	1793	206	15891
POINT 7	28281	2182	252	15725
POINT 8	34262	3000	255	16064
POINT 9	35627	3055	262	16043
POINT 10	54545	5500	271	17054
POINT 11	70730	7500	280	17882
POINT 12	92048	10000	291	0

THRUST FOR LEVEL FLIGHT	GRADIENT AT TAKE-OFF POWER	TAKE-OFF THRUST	GRADIENT AT CLIMB POWER
5854	0.176318	18069	0.136088

CLIMB THRUST	GRADIENT AT FAR36 CUTBACK	THRUST FOR ENGINE OUT LEVEL FLIGHT	VZF (KCAS)
16471	0.077607	11708	244

NUMBER OF ENGINES	RATED THRUST LB	AIRCRAFT WEIGHT (LB)	STAGE NUMBER
2	21700	141000	3

TAKEOFF SEGMENTS DATA (HEADWIND = 8 KT) 06-21-1991 12:05:08

AIRCRAFT ID NUMBER	AIRCRAFT AND ENGINE NAMES	AIRCRAFT CATEGORY
050	MD-83/JT8D-219	JCOM

AIRCRAFT WEIGHT	STAGE NUMBER	NUMBER OF ENGINES
158000	4	2

SEG. NO.	TYPE	FLAP	START ALT (FT)	END ALT (FT)	CALIBRATED START SPEED (KCAS)	CALIBRATED END SPEED (KCAS)	SEG. LNGTH (FT)	THRST (LB)	R/C (FPM)	GRAD
1	TKOFF	11	0	0	16	168	6493	17880	0	0.00000
2	CLIMB	11	0	1000	168	168	6846	17930	2504	0.14607
3	ACCEL	INT1	1000	1342	168	178	3467	17922	1669	0.09404
4	ACCEL	INT1	1342	1847	178	209	7700	17657	1252	0.06252
5	ACCEL	INT2	1847	2437	209	260	13729	15777	1000	0.04082
6	CLIMB	INT3	2437	3000	260	260	4949	15832	3120	0.11382
7	CLIMB	ZERO	3000	5500	260	260	23233	16465	3018	0.10760
8	CLIMB	ZERO	5500	7500	260	260	19498	17396	2977	0.10257
9	CLIMB	ZERO	7500	10000	260	260	25759	18327	2917	0.09706

SEG. NO.	TYPE	FLAP	THRUST TYPE	VALUE
1	TKOFF	11	MAX TKOFF	
2	CLIMB	11	MAX TKOFF	
3	ACCEL	INT1	MAX TKOFF	
4	ACCEL	INT1	MAX TKOFF	
5	ACCEL	INT2	MAX CLIMB	
6	CLIMB	INT3	MAX CLIMB	
7	CLIMB	ZERO	MAX CLIMB	
8	CLIMB	ZERO	MAX CLIMB	
9	CLIMB	ZERO	MAX CLIMB	

TAKEOFF PROFILE DATA (HEADWIND = 8 KT) 06-21-1991 12:05:11

AIRCRAFT ID NUMBER	AIRCRAFT AND ENGINE NAMES	AIRCRAFT CATEGORY
050	MD-83/JT8D-219	JCOM

	DISTANCE FROM BRAKE RELEASE (FT)	HEIGHT (FT)	SPEED (KTAS)	THRUST (LB)
POINT 1	0	0	16	20160
POINT 2	6493	0	168	17880
POINT 3	13339	1000	171	17980
POINT 4	16806	1342	182	17864
POINT 5	24506	1847	215	17450
POINT 6	25506	1890	219	15839
POINT 7	38235	2437	270	15715
POINT 8	43183	3000	272	15948
POINT 9	66417	5500	282	16982
POINT 10	85915	7500	291	17810
POINT 11	111673	10000	303	0

THRUST FOR LEVEL FLIGHT	GRADIENT AT TAKE-OFF POWER	TAKE-OFF THRUST	GRADIENT AT CLIMB POWER
6560	0.146068	17930	0.111571

CLIMB THRUST	GRADIENT AT FAR36 CUTBACK	THRUST FOR ENGINE OUT LEVEL FLIGHT	VZF (KCAS)
16404	0.077607	13120	260

NUMBER OF ENGINES	RATED THRUST LB	AIRCRAFT WEIGHT (LB)	STAGE NUMBER
2	21700	158000	4

APPROACH PROFILE DATA (HEADWIND = 8 KT) 02-15-1992 13:38:12

AIRCRAFT ID NUMBER	AIRCRAFT AND ENGINE NAMES	AIRCRAFT CATEGORY
050	MD-83/JT8D-219	JCOM

	DISTANCE FROM RW THRESHOLD (FT)	HEIGHT (FT)	SPEED (KTAS)	THRUST (LB)	FLAPS
POINT 1	113533	6000	273	1169	ZERO
POINT 2	56289	3000	175	2031	11
POINT 3	27668	1500	157	3613	U INTR
POINT 4	18127	1000	144	5208	D 40
POINT 5	-954	0	142	5023	D 40
POINT 6	-1327	0	134	13020	
POINT 7	-4680	0	30	2170	

NUMBER OF ENGINES	RATED THRUST LB	AIRCRAFT WEIGHT (LB)	GLIDE SLOPE
2	21700	125600	3.00

TAKEOFF SEGMENTS DATA (HEADWIND = 8 KT) 06-20-1991 09:53:05

AIRCRAFT ID NUMBER	AIRCRAFT AND ENGINE NAMES	AIRCRAFT CATEGORY
051	B757-200/RB211-535E4	JCOM

AIRCRAFT WEIGHT	STAGE NUMBER	NUMBER OF ENGINES
167000	1	2

SEG. NO.	TYPE	FLAP	START ALT (FT)	END ALT (FT)	CALIBRATED START SPEED (KCAS)	CALIBRATED END SPEED (KCAS)	SEG. LNGTH (FT)	THRST (LB)	R/C (FPM)	GRAD
1	TKOFF	15	0	0	16	141	2646	32363	0	0.00000
2	CLIMB	15	0	1000	141	141	3064	32563	4700	0.32639
3	ACCEL	15	1000	1073	141	146	438	32697	2350	0.16124
4	ACCEL	5	1073	1353	146	166	1815	32351	2350	0.14770
5	ACCEL	INT	1353	1557	166	203	3710	24511	1000	0.05245
6	ACCEL	ZERO	1557	1665	203	223	2264	23736	1000	0.04532
7	CLIMB	ZERO	1665	3000	223	223	6653	23740	4690	0.20066
8	ACCEL	ZERO	3000	3158	223	250	3774	23652	1000	0.03993
9	CLIMB	ZERO	3158	5500	250	250	12843	23773	4923	0.18232
10	CLIMB	ZERO	5500	7500	250	250	11640	24674	4795	0.17182
11	CLIMB	ZERO	7500	10000	250	250	15536	25609	4649	0.16091

SEG. NO.	TYPE	FLAP	THRUST TYPE	VALUE
1	TKOFF	15	MAX TKOFF	
2	CLIMB	15	MAX TKOFF	
3	ACCEL	15	MAX TKOFF	
4	ACCEL	5	MAX TKOFF	
5	ACCEL	INT	MAX CLIMB	
6	ACCEL	ZERO	MAX CLIMB	
7	CLIMB	ZERO	MAX CLIMB	
8	ACCEL	ZERO	MAX CLIMB	
9	CLIMB	ZERO	MAX CLIMB	
10	CLIMB	ZERO	MAX CLIMB	
11	CLIMB	ZERO	MAX CLIMB	

TAKEOFF PROFILE DATA (HEADWIND = 8 KT) 06-20-1991 09:53:11

AIRCRAFT ID NUMBER	AIRCRAFT AND ENGINE NAMES	AIRCRAFT CATEGORY
051	B757-200/RB211-535E4	JCOM

	DISTANCE FROM BRAKE RELEASE (FT)	HEIGHT (FT)	SPEED (KTAS)	THRUST (LB)
POINT 1	0	0	16	36556
POINT 2	2646	0	141	32363
POINT 3	5709	1000	143	32763
POINT 4	6148	1073	148	32630
POINT 5	7963	1353	169	32072
POINT 6	8963	1408	180	25015
POINT 7	11673	1557	208	24008
POINT 8	13937	1665	229	23463
POINT 9	20590	3000	233	24017
POINT 10	24364	3158	262	23287
POINT 11	37206	5500	271	24259
POINT 12	48847	7500	280	25090
POINT 13	64383	10000	291	0

THRUST FOR LEVEL FLIGHT	GRADIENT AT TAKE-OFF POWER	TAKE-OFF THRUST	GRADIENT AT CLIMB POWER
6586	0.326394	32563	0.218068

CLIMB THRUST	GRADIENT AT FAR36 CUTBACK	THRUST FOR ENGINE OUT LEVEL FLIGHT	VZF (KCAS)
26224	0.073695	13172	203

NUMBER OF ENGINES	RATED THRUST LB	AIRCRAFT WEIGHT (LB)	STAGE NUMBER
2	40100	167000	1

TAKEOFF SEGMENTS DATA (HEADWIND = 8 KT) 06-20-1991 09:54:49

AIRCRAFT ID NUMBER	AIRCRAFT AND ENGINE NAMES	AIRCRAFT CATEGORY
051	B757-200/RB211-535E4	JCOM

AIRCRAFT WEIGHT	STAGE NUMBER	NUMBER OF ENGINES
173000	2	2

SEG. NO.	TYPE	FLAP	START ALT (FT)	END ALT (FT)	CALIBRATED START SPEED (KCAS)	CALIBRATED END SPEED (KCAS)	SEG. LNGTH (FT)	THRST (LB)	R/C (FPM)	GRAD
1	TKOFF	15	0	0	16	144	2846	32279	0	0.00000
2	CLIMB	15	0	1000	144	144	3228	32479	4540	0.30977
3	ACCEL	15	1000	1081	144	149	513	32606	2270	0.15261
4	ACCEL	5	1081	1363	149	169	1932	32254	2270	0.13980
5	ACCEL	INT	1363	1575	169	205	3898	24444	1000	0.05174
6	ACCEL	ZERO	1575	1690	205	225	2428	23685	1000	0.04488
7	CLIMB	ZERO	1690	3000	225	225	6865	23686	4502	0.19086
8	ACCEL	ZERO	3000	3156	225	250	3722	23622	1000	0.03976
9	CLIMB	ZERO	3156	5500	250	250	13478	23772	4697	0.17394
10	CLIMB	ZERO	5500	7500	250	250	12207	24674	4572	0.16383
11	CLIMB	ZERO	7500	10000	250	250	16303	25609	4431	0.15335

SEG. NO.	TYPE	FLAP	THRUST TYPE	VALUE
1	TKOFF	15	MAX TKOFF	
2	CLIMB	15	MAX TKOFF	
3	ACCEL	15	MAX TKOFF	
4	ACCEL	5	MAX TKOFF	
5	ACCEL	INT	MAX CLIMB	
6	ACCEL	ZERO	MAX CLIMB	
7	CLIMB	ZERO	MAX CLIMB	
8	ACCEL	ZERO	MAX CLIMB	
9	CLIMB	ZERO	MAX CLIMB	
10	CLIMB	ZERO	MAX CLIMB	
11	CLIMB	ZERO	MAX CLIMB	

TAKEOFF PROFILE DATA (HEADWIND = 8 KT) 06-20-1991 09:54:54

AIRCRAFT ID NUMBER	AIRCRAFT AND ENGINE NAMES	AIRCRAFT CATEGORY
051	B757-200/RB211-535E4	JCOM

	DISTANCE FROM BRAKE RELEASE (FT)	HEIGHT (FT)	SPEED (KTAS)	THRUST (LB)
POINT 1	0	0	16	36556
POINT 2	2846	0	144	32279
POINT 3	6075	1000	146	32679
POINT 4	6588	1081	151	32533
POINT 5	8520	1363	172	31975
POINT 6	9520	1417	182	24931
POINT 7	12418	1575	210	23957
POINT 8	14846	1690	231	23414
POINT 9	21711	3000	235	23958
POINT 10	25433	3156	262	23286
POINT 11	38911	5500	271	24259
POINT 12	51119	7500	280	25090
POINT 13	67421	10000	291	0

THRUST FOR LEVEL FLIGHT	GRADIENT AT TAKE-OFF POWER	TAKE-OFF THRUST	GRADIENT AT CLIMB POWER
6823	0.309774	32479	0.206493

CLIMB THRUST	GRADIENT AT FAR36 CUTBACK	THRUST FOR ENGINE OUT LEVEL FLIGHT	VZF (KCAS)
26150	0.073695	13646	205

NUMBER OF ENGINES	RATED THRUST LB	AIRCRAFT WEIGHT (LB)	STAGE NUMBER
2	40100	173000	2

TAKEOFF SEGMENTS DATA (HEADWIND = 8 KT) 06-20-1991 09:56:28

AIRCRAFT ID NUMBER	AIRCRAFT AND ENGINE NAMES	AIRCRAFT CATEGORY
051	B757-200/RB211-535E4	JCOM

AIRCRAFT WEIGHT	STAGE NUMBER	NUMBER OF ENGINES
180000	3	2

SEG. NO.	TYPE	FLAP	START ALT (FT)	END ALT (FT)	CALIBRATED START SPEED (KCAS)	CALIBRATED END SPEED (KCAS)	SEG. LNGTH (FT)	THRST (LB)	R/C (FPM)	GRAD
1	TKOFF	15	0	0	16	147	3091	32183	0	0.00000
2	CLIMB	15	0	1000	147	147	3424	32383	4367	0.29207
3	ACCEL	15	1000	1084	147	152	563	32508	2184	0.14375
4	ACCEL	5	1084	1370	152	172	2072	32156	2184	0.13187
5	ACCEL	INT	1370	1598	172	208	4261	24361	1000	0.05091
6	ACCEL	ZERO	1598	1720	208	228	2641	23608	1000	0.04425
7	CLIMB	ZERO	1720	3000	228	228	7104	23604	4306	0.18012
8	ACCEL	ZERO	3000	3147	228	250	3528	23576	1000	0.03951
9	CLIMB	ZERO	3147	5500	250	250	14270	23770	4453	0.16492
10	CLIMB	ZERO	5500	7500	250	250	12884	24674	4332	0.15523
11	CLIMB	ZERO	7500	10000	250	250	17219	25609	4195	0.14519

SEG. NO.	TYPE	FLAP	THRUST TYPE	VALUE
1	TKOFF	15	MAX TKOFF	
2	CLIMB	15	MAX TKOFF	
3	ACCEL	15	MAX TKOFF	
4	ACCEL	5	MAX TKOFF	
5	ACCEL	INT	MAX CLIMB	
6	ACCEL	ZERO	MAX CLIMB	
7	CLIMB	ZERO	MAX CLIMB	
8	ACCEL	ZERO	MAX CLIMB	
9	CLIMB	ZERO	MAX CLIMB	
10	CLIMB	ZERO	MAX CLIMB	
11	CLIMB	ZERO	MAX CLIMB	

TAKEOFF PROFILE DATA (HEADWIND = 8 KT) 06-20-1991 09:56:32

AIRCRAFT ID NUMBER	AIRCRAFT AND ENGINE NAMES	AIRCRAFT CATEGORY
051	B757-200/RB211-535E4	JCOM

	DISTANCE FROM BRAKE RELEASE (FT)	HEIGHT (FT)	SPEED (KTAS)	THRUST (LB)
POINT 1	0	0	16	36556
POINT 2	3091	0	147	32183
POINT 3	6515	1000	149	32583
POINT 4	7078	1084	154	32434
POINT 5	9150	1370	175	31878
POINT 6	10150	1423	184	24845
POINT 7	13411	1598	213	23877
POINT 8	16053	1720	234	23339
POINT 9	23157	3000	238	23870
POINT 10	26684	3147	262	23282
POINT 11	40954	5500	271	24259
POINT 12	53838	7500	280	25090
POINT 13	71057	10000	291	0

THRUST FOR LEVEL FLIGHT	GRADIENT AT TAKE-OFF POWER	TAKE-OFF THRUST	GRADIENT AT CLIMB POWER
7099	0.292068	32383	0.194069

CLIMB THRUST	GRADIENT AT FAR36 CUTBACK	THRUST FOR ENGINE OUT LEVEL FLIGHT	VZF (KCAS)
26065	0.073695	14198	208

NUMBER OF ENGINES	RATED THRUST LB	AIRCRAFT WEIGHT (LB)	STAGE NUMBER
2	40100	180000	3

TAKEOFF SEGMENTS DATA (HEADWIND = 8 KT) 02-10-1992 10:06:04

AIRCRAFT ID NUMBER	AIRCRAFT AND ENGINE NAMES	AIRCRAFT CATEGORY
051	B757-200/RB211-535E4	JCOM

AIRCRAFT WEIGHT	STAGE NUMBER	NUMBER OF ENGINES
193000	4	2

SEG. NO.	TYPE	FLAP	START ALT (FT)	END ALT (FT)	CALIBRATED START SPEED (KCAS)	CALIBRATED END SPEED (KCAS)	SEG. LNGTH (FT)	THRST (LB)	R/C (FPM)	GRAD
1	TKOFF	15	0	0	16	152	3573	32009	0	0.00000
2	CLIMB	15	0	1000	152	152	3800	32209	4074	0.26319
3	ACCEL	15	1000	1083	152	157	615	32337	2037	0.12940
4	ACCEL	5	1083	1375	157	177	2343	31989	2037	0.11912
5	ACCEL	INT	1375	1628	177	212	4846	24236	1000	0.04972
6	ACCEL	ZERO	1628	1768	212	232	3053	23506	1000	0.04342
7	CLIMB	ZERO	1768	3000	232	232	7569	23496	3963	0.16282
8	ACCEL	ZERO	3000	3136	232	250	3294	23515	1000	0.03919
9	CLIMB	ZERO	3136	5500	250	250	15764	23768	4049	0.14998
10	CLIMB	ZERO	5500	7500	250	250	14186	24674	3934	0.14098
11	CLIMB	ZERO	7500	10000	250	250	18987	25609	3805	0.13167

SEG. NO.	TYPE	FLAP	THRUST TYPE	VALUE
1	TKOFF	15	MAX TKOFF	
2	CLIMB	15	MAX TKOFF	
3	ACCEL	15	MAX TKOFF	
4	ACCEL	5	MAX TKOFF	
5	ACCEL	INT	MAX CLIMB	
6	ACCEL	ZERO	MAX CLIMB	
7	CLIMB	ZERO	MAX CLIMB	
8	ACCEL	ZERO	MAX CLIMB	
9	CLIMB	ZERO	MAX CLIMB	
10	CLIMB	ZERO	MAX CLIMB	
11	CLIMB	ZERO	MAX CLIMB	

TAKEOFF PROFILE DATA (HEADWIND = 8 KT) 02-10-1992 10:06:09

AIRCRAFT ID NUMBER	AIRCRAFT AND ENGINE NAMES	AIRCRAFT CATEGORY
051	B757-200/RB211-535E4	JCOM

	DISTANCE FROM BRAKE RELEASE (FT)	HEIGHT (FT)	SPEED (KTAS)	THRUST (LB)
POINT 1	0	0	16	36556
POINT 2	3573	0	152	32009
POINT 3	7372	1000	154	32409
POINT 4	7987	1083	160	32266
POINT 5	10331	1375	181	31712
POINT 6	11331	1427	188	24699
POINT 7	15177	1628	217	23772
POINT 8	18230	1768	238	23240
POINT 9	25799	3000	243	23752
POINT 10	29093	3136	262	23277
POINT 11	44856	5500	271	24259
POINT 12	59043	7500	280	25090
POINT 13	78030	10000	291	0

THRUST FOR LEVEL FLIGHT	GRADIENT AT TAKE-OFF POWER	TAKE-OFF THRUST	GRADIENT AT CLIMB POWER
7612	0.263192	32209	0.173619

CLIMB THRUST	GRADIENT AT FAR36 CUTBACK	THRUST FOR ENGINE OUT LEVEL FLIGHT	VZF (KCAS)
25912	0.073695	15223	212

NUMBER OF ENGINES	RATED THRUST LB	AIRCRAFT WEIGHT (LB)	STAGE NUMBER
2	40100	193000	4

TAKEOFF SEGMENTS DATA (HEADWIND = 8 KT) 06-20-1991 10:01:10

AIRCRAFT ID NUMBER	AIRCRAFT AND ENGINE NAMES	AIRCRAFT CATEGORY
051	B757-200/RB211-535E4	JCOM

AIRCRAFT WEIGHT	STAGE NUMBER	NUMBER OF ENGINES
209000	5	2

SEG. NO.	TYPE	FLAP	START ALT (FT)	END ALT (FT)	CALIBRATED START SPEED (KCAS)	CALIBRATED END SPEED (KCAS)	SEG. LNGTH (FT)	THRST (LB)	R/C (FPM)	GRAD
1	TKOFF	15	0	0	16	158	4217	31802	0	0.00000
2	CLIMB	15	0	1000	158	158	4286	32002	3759	0.23332
3	ACCEL	15	1000	1083	158	163	692	32133	1880	0.11469
4	ACCEL	5	1083	1384	163	183	2712	31790	1880	0.10596
5	ACCEL	INT	1384	1673	183	217	5697	24085	1000	0.04832
6	ACCEL	ZERO	1673	1836	217	237	3641	23382	1000	0.04243
7	CLIMB	ZERO	1836	3000	237	237	8051	23363	3597	0.14460
8	ACCEL	ZERO	3000	3114	237	250	2792	23436	1000	0.03879
9	CLIMB	ZERO	3114	5500	250	250	17771	23764	3624	0.13427
10	CLIMB	ZERO	5500	7500	250	250	15877	24674	3515	0.12596
11	CLIMB	ZERO	7500	10000	250	250	21292	25609	3393	0.11742

SEG. NO.	TYPE	FLAP	THRUST TYPE	VALUE
1	TKOFF	15	MAX TKOFF	
2	CLIMB	15	MAX TKOFF	
3	ACCEL	15	MAX TKOFF	
4	ACCEL	5	MAX TKOFF	
5	ACCEL	INT	MAX CLIMB	
6	ACCEL	ZERO	MAX CLIMB	
7	CLIMB	ZERO	MAX CLIMB	
8	ACCEL	ZERO	MAX CLIMB	
9	CLIMB	ZERO	MAX CLIMB	
10	CLIMB	ZERO	MAX CLIMB	
11	CLIMB	ZERO	MAX CLIMB	

TAKEOFF PROFILE DATA (HEADWIND = 8 KT) 06-20-1991 10:01:14

AIRCRAFT ID NUMBER	AIRCRAFT AND ENGINE NAMES	AIRCRAFT CATEGORY
051	B757-200/RB211-535E4	JCOM

	DISTANCE FROM BRAKE RELEASE (FT)	HEIGHT (FT)	SPEED (KTAS)	THRUST (LB)
POINT 1	0	0	16	36556
POINT 2	4217	0	158	31802
POINT 3	8503	1000	160	32202
POINT 4	9195	1083	166	32065
POINT 5	11907	1384	187	31515
POINT 6	12907	1435	193	24526
POINT 7	17604	1673	222	23643
POINT 8	21245	1836	243	23121
POINT 9	29297	3000	248	23604
POINT 10	32089	3114	262	23268
POINT 11	49860	5500	271	24259
POINT 12	65737	7500	280	25090
POINT 13	87029	10000	291	0

THRUST FOR LEVEL FLIGHT	GRADIENT AT TAKE-OFF POWER	TAKE-OFF THRUST	GRADIENT AT CLIMB POWER
8243	0.233320	32002	0.152232

CLIMB THRUST	GRADIENT AT FAR36 CUTBACK	THRUST FOR ENGINE OUT LEVEL FLIGHT	VZF (KCAS)
25730	0.073695	16485	217

NUMBER OF ENGINES	RATED THRUST LB	AIRCRAFT WEIGHT (LB)	STAGE NUMBER
2	40100	209000	5

APPROACH PROFILE DATA (HEADWIND = 8 KT) 02-15-1992 12:58:01

AIRCRAFT ID NUMBER	AIRCRAFT AND ENGINE NAMES	AIRCRAFT CATEGORY
051	B757-200/RB211-535E4	JCOM

	DISTANCE FROM RW THRESHOLD (FT)	HEIGHT (FT)	SPEED (KTAS)	THRUST (LB)	FLAPS
POINT 1	113533	6000	273	366	ZERO
POINT 2	56289	3000	167	1907	5
POINT 3	27668	1500	140	6302	D 25
POINT 4	18127	1000	137	7657	D 30
POINT 5	-954	0	135	7385	D 30
POINT 6	-1276	0	128	24060	
POINT 7	-4176	0	30	4010	

NUMBER OF ENGINES	RATED THRUST LB	AIRCRAFT WEIGHT (LB)	GLIDE SLOPE
2	40100	178200	3.00

TAKEOFF SEGMENTS DATA (HEADWIND = 8 KT) 06-20-1991 10:04:50

AIRCRAFT ID NUMBER	AIRCRAFT AND ENGINE NAMES	AIRCRAFT CATEGORY
052	B757-200/PW2037	JCOM

AIRCRAFT WEIGHT	STAGE NUMBER	NUMBER OF ENGINES
165000	1	2

SEG. NO.	TYPE	FLAP	START ALT (FT)	END ALT (FT)	CALIBRATED START SPEED (KCAS)	CALIBRATED END SPEED (KCAS)	SEG. LNGTH (FT)	THRST (LB)	R/C (FPM)	GRAD
1	TKOFF	15	0	0	16	140	2747	30281	0	0.00000
2	CLIMB	15	0	1000	140	140	3310	30622	4324	0.30211
3	ACCEL	15	1000	1069	140	145	443	30893	2162	0.14903
4	ACCEL	5	1069	1339	145	165	1900	30518	2162	0.13656
5	ACCEL	INT	1339	1558	165	202	3936	23476	1000	0.05275
6	ACCEL	ZERO	1558	1673	202	222	2403	22631	1000	0.04553
7	CLIMB	ZERO	1673	3000	222	222	6973	22601	4430	0.19035
8	ACCEL	ZERO	3000	3177	222	250	4196	22454	1000	0.04000
9	CLIMB	ZERO	3177	5500	250	250	13551	22508	4630	0.17146
10	CLIMB	ZERO	5500	7500	250	250	12372	23375	4511	0.16165
11	CLIMB	ZERO	7500	10000	250	250	16513	24278	4375	0.15140

SEG. NO.	TYPE	FLAP	THRUST TYPE	VALUE
1	TKOFF	15	MAX TKOFF	
2	CLIMB	15	MAX TKOFF	
3	ACCEL	15	MAX TKOFF	
4	ACCEL	5	MAX TKOFF	
5	ACCEL	INT	MAX CLIMB	
6	ACCEL	ZERO	MAX CLIMB	
7	CLIMB	ZERO	MAX CLIMB	
8	ACCEL	ZERO	MAX CLIMB	
9	CLIMB	ZERO	MAX CLIMB	
10	CLIMB	ZERO	MAX CLIMB	
11	CLIMB	ZERO	MAX CLIMB	

TAKEOFF PROFILE DATA (HEADWIND = 8 KT) 06-20-1991 10:04:53

AIRCRAFT ID NUMBER	AIRCRAFT AND ENGINE NAMES	AIRCRAFT CATEGORY
052	B757-200/PW2037	JCOM

	DISTANCE FROM BRAKE RELEASE (FT)	HEIGHT (FT)	SPEED (KTAS)	THRUST (LB)
POINT 1	0	0	16	35218
POINT 2	2747	0	140	30281
POINT 3	6057	1000	142	30963
POINT 4	6500	1069	147	30823
POINT 5	8400	1339	168	30213
POINT 6	9400	1395	178	24025
POINT 7	12336	1558	207	22928
POINT 8	14740	1673	228	22334
POINT 9	21713	3000	232	22867
POINT 10	25909	3177	262	22042
POINT 11	39460	5500	271	22974
POINT 12	51832	7500	280	23776
POINT 13	68345	10000	291	0

THRUST FOR LEVEL FLIGHT	GRADIENT AT TAKE-OFF POWER	TAKE-OFF THRUST	GRADIENT AT CLIMB POWER
6713	0.302114	30622	0.207954

CLIMB THRUST	GRADIENT AT FAR36 CUTBACK	THRUST FOR ENGINE OUT LEVEL FLIGHT	VZF (KCAS)
25281	0.076042	13427	202

NUMBER OF ENGINES	RATED THRUST LB	AIRCRAFT WEIGHT (LB)	STAGE NUMBER
2	38300	165000	1

TAKEOFF SEGMENTS DATA (HEADWIND = 8 KT) 06-20-1991 10:06:27

AIRCRAFT ID NUMBER	AIRCRAFT AND ENGINE NAMES	AIRCRAFT CATEGORY
052	B757-200/PW2037	JCOM

AIRCRAFT WEIGHT	STAGE NUMBER	NUMBER OF ENGINES
171000	2	2

SEG. NO.	TYPE	FLAP	START ALT (FT)	END ALT (FT)	CALIBRATED START SPEED (KCAS)	CALIBRATED END SPEED (KCAS)	SEG. LNGTH (FT)	THRST (LB)	R/C (FPM)	GRAD
1	TKOFF	15	0	0	16	143	2960	30180	0	0.00000
2	CLIMB	15	0	1000	143	143	3495	30521	4170	0.28616
3	ACCEL	15	1000	1076	143	148	521	30786	2085	0.14082
4	ACCEL	5	1076	1350	148	168	2028	30405	2085	0.12906
5	ACCEL	INT	1350	1577	168	204	4151	23402	1000	0.05202
6	ACCEL	ZERO	1577	1699	204	224	2585	22576	1000	0.04509
7	CLIMB	ZERO	1699	3000	224	224	7195	22542	4246	0.18078
8	ACCEL	ZERO	3000	3174	224	250	4162	22422	1000	0.03984
9	CLIMB	ZERO	3174	5500	250	250	14235	22507	4412	0.16338
10	CLIMB	ZERO	5500	7500	250	250	12992	23375	4296	0.15395
11	CLIMB	ZERO	7500	10000	250	250	17351	24278	4163	0.14409

SEG. NO.	TYPE	FLAP	THRUST TYPE	VALUE
1	TKOFF	15	MAX TKOFF	
2	CLIMB	15	MAX TKOFF	
3	ACCEL	15	MAX TKOFF	
4	ACCEL	5	MAX TKOFF	
5	ACCEL	INT	MAX CLIMB	
6	ACCEL	ZERO	MAX CLIMB	
7	CLIMB	ZERO	MAX CLIMB	
8	ACCEL	ZERO	MAX CLIMB	
9	CLIMB	ZERO	MAX CLIMB	
10	CLIMB	ZERO	MAX CLIMB	
11	CLIMB	ZERO	MAX CLIMB	

TAKEOFF PROFILE DATA (HEADWIND = 8 KT) 06-20-1991 10:06:31

AIRCRAFT ID NUMBER	AIRCRAFT AND ENGINE NAMES	AIRCRAFT CATEGORY
052	B757-200/PW2037	JCOM

	DISTANCE FROM BRAKE RELEASE (FT)	HEIGHT (FT)	SPEED (KTAS)	THRUST (LB)
POINT 1	0	0	16	35218
POINT 2	2960	0	143	30180
POINT 3	6454	1000	145	30862
POINT 4	6975	1076	150	30709
POINT 5	9004	1350	171	30101
POINT 6	10004	1404	180	23933
POINT 7	13155	1577	209	22872
POINT 8	15740	1699	230	22281
POINT 9	22935	3000	234	22803
POINT 10	27097	3174	262	22041
POINT 11	41332	5500	271	22974
POINT 12	54323	7500	280	23776
POINT 13	71674	10000	291	0

THRUST FOR LEVEL FLIGHT	GRADIENT AT TAKE-OFF POWER	TAKE-OFF THRUST	GRADIENT AT CLIMB POWER
6957	0.286163	30521	0.196498

CLIMB THRUST	GRADIENT AT FAR36 CUTBACK	THRUST FOR ENGINE OUT LEVEL FLIGHT	VZF (KCAS)
25200	0.076042	13915	204

NUMBER OF ENGINES	RATED THRUST LB	AIRCRAFT WEIGHT (LB)	STAGE NUMBER
2	38300	171000	2

TAKEOFF SEGMENTS DATA (HEADWIND = 8 KT) 06-20-1991 10:08:02

AIRCRAFT ID NUMBER	AIRCRAFT AND ENGINE NAMES	AIRCRAFT CATEGORY
052	B757-200/PW2037	JCOM

AIRCRAFT WEIGHT	STAGE NUMBER	NUMBER OF ENGINES
178000	3	2

SEG. NO.	TYPE	FLAP	START ALT (FT)	END ALT (FT)	CALIBRATED START SPEED (KCAS)	CALIBRATED END SPEED (KCAS)	SEG. LNGTH (FT)	THRST (LB)	R/C (FPM)	GRAD
1	TKOFF	15	0	0	16	146	3219	30065	0	0.00000
2	CLIMB	15	0	1000	146	146	3715	30406	4002	0.26916
3	ACCEL	15	1000	1079	146	151	572	30670	2001	0.13231
4	ACCEL	5	1079	1356	151	171	2182	30289	2001	0.12143
5	ACCEL	INT	1356	1601	171	207	4558	23312	1000	0.05118
6	ACCEL	ZERO	1601	1733	207	227	2823	22492	1000	0.04445
7	CLIMB	ZERO	1733	3000	227	227	7441	22453	4053	0.17025
8	ACCEL	ZERO	3000	3166	227	250	3980	22372	1000	0.03959
9	CLIMB	ZERO	3166	5500	250	250	15090	22506	4177	0.15469
10	CLIMB	ZERO	5500	7500	250	250	13732	23375	4065	0.14564
11	CLIMB	ZERO	7500	10000	250	250	18355	24278	3935	0.13620

SEG. NO.	TYPE	FLAP	THRUST TYPE	VALUE
1	TKOFF	15	MAX TKOFF	
2	CLIMB	15	MAX TKOFF	
3	ACCEL	15	MAX TKOFF	
4	ACCEL	5	MAX TKOFF	
5	ACCEL	INT	MAX CLIMB	
6	ACCEL	ZERO	MAX CLIMB	
7	CLIMB	ZERO	MAX CLIMB	
8	ACCEL	ZERO	MAX CLIMB	
9	CLIMB	ZERO	MAX CLIMB	
10	CLIMB	ZERO	MAX CLIMB	
11	CLIMB	ZERO	MAX CLIMB	

TAKEOFF PROFILE DATA (HEADWIND = 8 KT) 06-20-1991 10:08:07

AIRCRAFT ID NUMBER	AIRCRAFT AND ENGINE NAMES	AIRCRAFT CATEGORY
052	B757-200/PW2037	JCOM

	DISTANCE FROM BRAKE RELEASE (FT)	HEIGHT (FT)	SPEED (KTAS)	THRUST (LB)
POINT 1	0	0	16	35218
POINT 2	3219	0	146	30065
POINT 3	6935	1000	148	30748
POINT 4	7507	1079	153	30592
POINT 5	9689	1356	174	29986
POINT 6	10689	1410	183	23839
POINT 7	14247	1601	212	22786
POINT 8	17070	1733	233	22199
POINT 9	24512	3000	237	22707
POINT 10	28492	3166	262	22037
POINT 11	43582	5500	271	22974
POINT 12	57314	7500	280	23776
POINT 13	75669	10000	291	0

THRUST FOR LEVEL FLIGHT	GRADIENT AT TAKE-OFF POWER	TAKE-OFF THRUST	GRADIENT AT CLIMB POWER
7242	0.269164	30406	0.184211

CLIMB THRUST	GRADIENT AT FAR36 CUTBACK	THRUST FOR ENGINE OUT LEVEL FLIGHT	VZF (KCAS)
25107	0.076042	14484	207

NUMBER OF ENGINES	RATED THRUST LB	AIRCRAFT WEIGHT (LB)	STAGE NUMBER
2	38300	178000	3

TAKEOFF SEGMENTS DATA (HEADWIND = 8 KT) 06-20-1991 10:09:28

AIRCRAFT ID NUMBER	AIRCRAFT AND ENGINE NAMES	AIRCRAFT CATEGORY
052	B757-200/PW2037	JCOM

AIRCRAFT WEIGHT	STAGE NUMBER	NUMBER OF ENGINES
190000	4	2

SEG. NO.	TYPE	FLAP	START ALT (FT)	END ALT (FT)	CALIBRATED START SPEED (KCAS)	CALIBRATED END SPEED (KCAS)	SEG. LNGTH (FT)	THRST (LB)	R/C (FPM)	GRAD
1	TKOFF	15	0	0	16	151	3692	29873	0	0.00000
2	CLIMB	15	0	1000	151	151	4108	30214	3739	0.24341
3	ACCEL	15	1000	1083	151	156	668	30476	1870	0.11949
4	ACCEL	5	1083	1367	156	176	2463	30096	1870	0.10990
5	ACCEL	INT	1367	1639	176	211	5175	23178	1000	0.04997
6	ACCEL	ZERO	1639	1788	211	231	3256	22383	1000	0.04361
7	CLIMB	ZERO	1788	3000	231	231	7846	22336	3744	0.15448
8	ACCEL	ZERO	3000	3155	231	250	3741	22306	1000	0.03926
9	CLIMB	ZERO	3155	5500	250	250	16595	22503	3816	0.14134
10	CLIMB	ZERO	5500	7500	250	250	15050	23375	3709	0.13289
11	CLIMB	ZERO	7500	10000	250	250	20147	24278	3585	0.12409

SEG. NO.	TYPE	FLAP	THRUST TYPE	VALUE
1	TKOFF	15	MAX TKOFF	
2	CLIMB	15	MAX TKOFF	
3	ACCEL	15	MAX TKOFF	
4	ACCEL	5	MAX TKOFF	
5	ACCEL	INT	MAX CLIMB	
6	ACCEL	ZERO	MAX CLIMB	
7	CLIMB	ZERO	MAX CLIMB	
8	ACCEL	ZERO	MAX CLIMB	
9	CLIMB	ZERO	MAX CLIMB	
10	CLIMB	ZERO	MAX CLIMB	
11	CLIMB	ZERO	MAX CLIMB	

TAKEOFF PROFILE DATA (HEADWIND = 8 KT) 06-20-1991 10:09:33

AIRCRAFT ID NUMBER	AIRCRAFT AND ENGINE NAMES	AIRCRAFT CATEGORY
052	B757-200/PW2037	JCOM

	DISTANCE FROM BRAKE RELEASE (FT)	HEIGHT (FT)	SPEED (KTAS)	THRUST (LB)
POINT 1	0	0	16	35218
POINT 2	3692	0	151	29873
POINT 3	7800	1000	153	30556
POINT 4	8468	1083	158	30396
POINT 5	10931	1367	180	29795
POINT 6	11931	1419	187	23684
POINT 7	16106	1639	216	22673
POINT 8	19362	1788	237	22093
POINT 9	27209	3000	241	22579
POINT 10	30950	3155	262	22033
POINT 11	47545	5500	271	22974
POINT 12	62595	7500	280	23776
POINT 13	82741	10000	291	0

THRUST FOR LEVEL FLIGHT	GRADIENT AT TAKE-OFF POWER	TAKE-OFF THRUST	GRADIENT AT CLIMB POWER
7730	0.243411	30214	0.165451

CLIMB THRUST	GRADIENT AT FAR36 CUTBACK	THRUST FOR ENGINE OUT LEVEL FLIGHT	VZF (KCAS)
24952	0.076042	15461	211

NUMBER OF ENGINES	RATED THRUST LB	AIRCRAFT WEIGHT (LB)	STAGE NUMBER
2	38300	190000	4

TAKEOFF SEGMENTS DATA (HEADWIND = 8 KT) 06-20-1991 10:11:13

AIRCRAFT ID NUMBER	AIRCRAFT AND ENGINE NAMES	AIRCRAFT CATEGORY
052	B757-200/PW2037	JCOM

AIRCRAFT WEIGHT	STAGE NUMBER	NUMBER OF ENGINES
206000	5	2

SEG. NO.	TYPE	FLAP	START ALT (FT)	END ALT (FT)	CALIBRATED START SPEED (KCAS)	CALIBRATED END SPEED (KCAS)	SEG. LNGTH (FT)	THRST (LB)	R/C (FPM)	GRAD
1	TKOFF	15	0	0	16	157	4376	29627	0	0.00000
2	CLIMB	15	0	1000	157	157	4664	29968	3429	0.21439
3	ACCEL	15	1000	1083	157	162	752	30233	1715	0.10522
4	ACCEL	5	1083	1375	162	182	2870	29860	1715	0.09714
5	ACCEL	INT	1375	1689	182	216	6156	23014	1000	0.04856
6	ACCEL	ZERO	1689	1865	216	236	3923	22248	1000	0.04260
7	CLIMB	ZERO	1865	3000	236	236	8313	22191	3383	0.13654
8	ACCEL	ZERO	3000	3134	236	250	3266	22222	1000	0.03886
9	CLIMB	ZERO	3134	5500	250	250	18773	22499	3403	0.12606
10	CLIMB	ZERO	5500	7500	250	250	16910	23375	3301	0.11828
11	CLIMB	ZERO	7500	10000	250	250	22686	24278	3184	0.11020

SEG. NO.	TYPE	FLAP	THRUST TYPE	VALUE
1	TKOFF	15	MAX TKOFF	
2	CLIMB	15	MAX TKOFF	
3	ACCEL	15	MAX TKOFF	
4	ACCEL	5	MAX TKOFF	
5	ACCEL	INT	MAX CLIMB	
6	ACCEL	ZERO	MAX CLIMB	
7	CLIMB	ZERO	MAX CLIMB	
8	ACCEL	ZERO	MAX CLIMB	
9	CLIMB	ZERO	MAX CLIMB	
10	CLIMB	ZERO	MAX CLIMB	
11	CLIMB	ZERO	MAX CLIMB	

TAKEOFF PROFILE DATA (HEADWIND = 8 KT) 06-20-1991 10:11:16

AIRCRAFT ID NUMBER	AIRCRAFT AND ENGINE NAMES	AIRCRAFT CATEGORY
052	B757-200/PW2037	JCOM

	DISTANCE FROM BRAKE RELEASE (FT)	HEIGHT (FT)	SPEED (KTAS)	THRUST (LB)
POINT 1	0	0	16	35218
POINT 2	4376	0	157	29627
POINT 3	9040	1000	159	30309
POINT 4	9792	1083	165	30158
POINT 5	12662	1375	186	29562
POINT 6	13662	1426	192	23495
POINT 7	18819	1689	221	22533
POINT 8	22741	1865	243	21963
POINT 9	31054	3000	247	22419
POINT 10	34320	3134	262	22024
POINT 11	53093	5500	271	22974
POINT 12	70002	7500	280	23776
POINT 13	92688	10000	291	0

THRUST FOR LEVEL FLIGHT	GRADIENT AT TAKE-OFF POWER	TAKE-OFF THRUST	GRADIENT AT CLIMB POWER
8381	0.214389	29968	0.144113

CLIMB THRUST	GRADIENT AT FAR36 CUTBACK	THRUST FOR ENGINE OUT LEVEL FLIGHT	VZF (KCAS)
24754	0.076042	16763	216

NUMBER OF ENGINES	RATED THRUST LB	AIRCRAFT WEIGHT (LB)	STAGE NUMBER
2	38300	206000	5

TAKEOFF SEGMENTS DATA (HEADWIND = 8 KT) 06-20-1991 10:12:40

AIRCRAFT ID NUMBER	AIRCRAFT AND ENGINE NAMES	AIRCRAFT CATEGORY
052	B757-200/PW2037	JCOM

AIRCRAFT WEIGHT	STAGE NUMBER	NUMBER OF ENGINES
222000	6	2

SEG. NO.	TYPE	FLAP	START ALT (FT)	END ALT (FT)	CALIBRATED START SPEED (KCAS)	CALIBRATED END SPEED (KCAS)	SEG. LNGTH (FT)	THRST (LB)	R/C (FPM)	GRAD
1	TKOFF	15	0	0	16	163	5123	29389	0	0.00000
2	CLIMB	15	0	1000	163	163	5262	29730	3155	0.19005
3	ACCEL	15	1000	1086	163	168	879	29996	1578	0.09320
4	ACCEL	5	1086	1387	168	188	3326	29627	1578	0.08628
5	ACCEL	INT	1387	1740	188	220	7086	22866	1000	0.04735
6	ACCEL	ZERO	1740	1946	220	240	4698	22147	1000	0.04182
7	CLIMB	ZERO	1946	3000	240	240	8671	22079	3064	0.12153
8	ACCEL	ZERO	3000	3112	240	250	2757	22153	1000	0.03855
9	CLIMB	ZERO	3112	5500	250	250	21124	22495	3052	0.11305
10	CLIMB	ZERO	5500	7500	250	250	18899	23375	2953	0.10583
11	CLIMB	ZERO	7500	10000	250	250	25416	24278	2842	0.09836

SEG. NO.	TYPE	FLAP	THRUST TYPE	VALUE
1	TKOFF	15	MAX TKOFF	
2	CLIMB	15	MAX TKOFF	
3	ACCEL	15	MAX TKOFF	
4	ACCEL	5	MAX TKOFF	
5	ACCEL	INT	MAX CLIMB	
6	ACCEL	ZERO	MAX CLIMB	
7	CLIMB	ZERO	MAX CLIMB	
8	ACCEL	ZERO	MAX CLIMB	
9	CLIMB	ZERO	MAX CLIMB	
10	CLIMB	ZERO	MAX CLIMB	
11	CLIMB	ZERO	MAX CLIMB	

TAKEOFF PROFILE DATA (HEADWIND = 8 KT) 06-20-1991 10:12:45

AIRCRAFT ID NUMBER	AIRCRAFT AND ENGINE NAMES	AIRCRAFT CATEGORY
052	B757-200/PW2037	JCOM

	DISTANCE FROM BRAKE RELEASE (FT)	HEIGHT (FT)	SPEED (KTAS)	THRUST (LB)
POINT 1	0	0	16	35218
POINT 2	5123	0	163	29389
POINT 3	10385	1000	165	30072
POINT 4	11264	1086	171	29921
POINT 5	14590	1387	192	29332
POINT 6	15590	1437	197	23308
POINT 7	21675	1740	226	22425
POINT 8	26373	1946	247	21868
POINT 9	35044	3000	251	22291
POINT 10	37801	3112	262	22016
POINT 11	58926	5500	271	22974
POINT 12	77824	7500	280	23776
POINT 13	103240	10000	291	0

THRUST FOR LEVEL FLIGHT	GRADIENT AT TAKE-OFF POWER	TAKE-OFF THRUST	GRADIENT AT CLIMB POWER
9032	0.190046	29730	0.126069

CLIMB THRUST	GRADIENT AT FAR36 CUTBACK	THRUST FOR ENGINE OUT LEVEL FLIGHT	VZF (KCAS)
24562	0.076042	18065	220

NUMBER OF ENGINES	RATED THRUST LB	AIRCRAFT WEIGHT (LB)	STAGE NUMBER
2	38300	222000	6

APPROACH PROFILE DATA (HEADWIND = 8 KT) 02-15-1992 12:59:11

AIRCRAFT ID NUMBER	AIRCRAFT AND ENGINE NAMES	AIRCRAFT CATEGORY
052	B757-200/PW2037	JCOM

	DISTANCE FROM RW THRESHOLD (FT)	HEIGHT (FT)	SPEED (KTAS)	THRUST (LB)	FLAPS
POINT 1	113533	6000	273	443	ZERO
POINT 2	56289	3000	167	2126	5
POINT 3	27668	1500	140	6377	D 25
POINT 4	18127	1000	136	7703	D 30
POINT 5	-954	0	134	7430	D 30
POINT 6	-1290	0	127	22980	
POINT 7	-4311	0	30	3830	

NUMBER OF ENGINES	RATED THRUST LB	AIRCRAFT WEIGHT (LB)	GLIDE SLOPE
2	38300	178200	3.00

TAKEOFF SEGMENTS DATA (HEADWIND = 8 KT) 06-12-1991 11:11:57

AIRCRAFT ID NUMBER	AIRCRAFT AND ENGINE NAMES	AIRCRAFT CATEGORY
053	1985 BUSINESS JET	JGA

AIRCRAFT WEIGHT	STAGE NUMBER	NUMBER OF ENGINES	100% THRUST
19200	1	2	2900

SEG. NO.	TYPE	FLAP	START ALT (FT)	END ALT (FT)	CALIBRATED START SPEED (KCAS)	CALIBRATED END SPEED (KCAS)	SEG. LNGTH (FT)	THRST %	R/C (FPM)	GRAD
1	TKOFF	20	0	0	16	139	2826	97.4	0	0.00000
2	ACCEL	20	0	196	139	154	2091	96.7	1321	0.08924
3	CLIMB	20	196	1500	154	154	7306	97.4	2819	0.17852
4	ACCEL	10	1500	1775	154	179	3417	97.5	1321	0.07670
5	CLIMB	ZERO	1775	3000	179	179	6902	87.7	3333	0.17747
6	ACCEL	ZERO	3000	4379	179	250	18066	85.9	1667	0.07272
7	CLIMB	ZERO	4379	5500	250	250	8273	83.9	3692	0.13546
8	CLIMB	ZERO	5500	7500	250	250	15415	86.5	3621	0.12974
9	CLIMB	ZERO	7500	10000	250	250	20734	89.9	3484	0.12058

SEG. NO.	TYPE	FLAP	THRUST TYPE	VALUE
1	TKOFF	20	MAX TKOFF	
2	ACCEL	20	MAX TKOFF	
3	CLIMB	20	MAX TKOFF	
4	ACCEL	10	MAX TKOFF	
5	CLIMB	ZERO	MAX CLIMB	
6	ACCEL	ZERO	MAX CLIMB	
7	CLIMB	ZERO	MAX CLIMB	
8	CLIMB	ZERO	MAX CLIMB	
9	CLIMB	ZERO	MAX CLIMB	

TAKEOFF PROFILE DATA (HEADWIND = 8 KT) 06-12-1991 11:12:07

AIRCRAFT ID NUMBER	AIRCRAFT AND ENGINE NAMES	AIRCRAFT CATEGORY
053	1985 BUSINESS JET	JGA

	DISTANCE FROM BRAKE RELEASE (FT)	HEIGHT (FT)	SPEED (KTAS)	THRUST %
POINT 1	0	0	16	113.92
POINT 2	2826	0	139	97.42
POINT 3	4918	196	154	95.89
POINT 4	12224	1500	157	98.89
POINT 5	15641	1775	184	96.15
POINT 6	16641	1953	184	86.54
POINT 7	22543	3000	187	88.92
POINT 8	40609	4379	267	82.89
POINT 9	48882	5500	271	84.84
POINT 10	64297	7500	280	88.06
POINT 11	85031	10000	291	0

THRUST FOR LEVEL FLIGHT	GRADIENT AT TAKE-OFF POWER	TAKE-OFF THRUST	GRADIENT AT CLIMB POWER
38.36 %	0.186120	98.60 %	0.147553

CLIMB THRUST	GRADIENT AT FAR36 CUTBACK	THRUST FOR ENGINE OUT LEVEL FLIGHT	VZF (KCAS)
92.78 %	0.108619	76.73 %	179

NUMBER OF ENGINES	RATED THRUST LB	100% THRUST LB	AIRCRAFT WEIGHT (LB)	STAGE NUMBER
2	3600	2900	19200	1

APPROACH PROFILE DATA (HEADWIND = 8 KT) 02-15-1992 15:51:50

AIRCRAFT ID NUMBER	AIRCRAFT AND ENGINE NAMES	AIRCRAFT CATEGORY
053	1985 BUSINESS JET	JGA

	DISTANCE FROM RW THRESHOLD (FT)	HEIGHT (FT)	SPEED (KTAS)	THRUST %	FLAPS
POINT 1	113533	6000	273	6.03	ZERO
POINT 2	56289	3000	151	11.20	10
POINT 3	27668	1500	137	21.09	D INTR
POINT 4	18127	1000	126	25.61	D 40
POINT 5	-954	0	124	24.70	D 40
POINT 6	-1119	0	118	74.48	
POINT 7	-2600	0	30	12.41	

NUMBER OF ENGINES	RATED THRUST LB	AIRCRAFT WEIGHT (LB)	GLIDE SLOPE	100% THRUST LB
2	3600	14600	3.00	2900

TAKEOFF SEGMENTS DATA (HEADWIND = 8 KT) 06-12-1991 11:25:51

AIRCRAFT ID NUMBER	AIRCRAFT AND ENGINE NAMES	AIRCRAFT CATEGORY
054	LEAR 36/TFE731-2	JGA

AIRCRAFT WEIGHT	STAGE NUMBER	NUMBER OF ENGINES
18300	1	2

SEG. NO.	TYPE	FLAP	START ALT (FT)	END ALT (FT)	CALIBRATED START SPEED (KCAS)	CALIBRATED END SPEED (KCAS)	SEG. LNGTH (FT)	THRST (LB)	R/C (FPM)	GRAD
1	TKOFF	20	0	0	16	143	2569	2855	0	0.00000
2	ACCEL	20	0	193	143	158	1879	2826	1493	0.09816
3	CLIMB	20	193	1500	158	158	6754	2795	3135	0.19347
4	ACCEL	10	1500	1816	158	183	3560	2746	1493	0.08467
5	CLIMB	ZERO	1816	3000	183	183	6662	2429	3412	0.17769
6	ACCEL	ZERO	3000	4458	183	250	18842	2319	1706	0.07370
7	CLIMB	ZERO	4458	5500	250	250	8297	2211	3425	0.12562
8	CLIMB	ZERO	5500	7500	250	250	17204	2229	3244	0.11625
9	CLIMB	ZERO	7500	10000	250	250	24043	2268	3004	0.10398

SEG. NO.	TYPE	FLAP	THRUST TYPE	VALUE
1	TKOFF	20	MAX TKOFF	
2	ACCEL	20	MAX TKOFF	
3	CLIMB	20	MAX TKOFF	
4	ACCEL	10	MAX TKOFF	
5	CLIMB	ZERO	MAX CLIMB	
6	ACCEL	ZERO	MAX CLIMB	
7	CLIMB	ZERO	MAX CLIMB	
8	CLIMB	ZERO	MAX CLIMB	
9	CLIMB	ZERO	MAX CLIMB	

TAKEOFF PROFILE DATA (HEADWIND = 8 KT) 06-12-1991 11:25:59

AIRCRAFT ID NUMBER	AIRCRAFT AND ENGINE NAMES	AIRCRAFT CATEGORY
054	LEAR 36/TFE731-2	JGA

	DISTANCE FROM BRAKE RELEASE (FT)	HEIGHT (FT)	SPEED (KTAS)	THRUST (LB)
POINT 1	0	0	16	3350
POINT 2	2569	0	143	2855
POINT 3	4448	193	158	2797
POINT 4	11202	1500	162	2795
POINT 5	14763	1816	188	2698
POINT 6	15763	1994	188	2428
POINT 7	21425	3000	191	2431
POINT 8	40267	4458	267	2206
POINT 9	48564	5500	271	2216
POINT 10	65769	7500	280	2245
POINT 11	89812	10000	291	0

THRUST FOR LEVEL FLIGHT	GRADIENT AT TAKE-OFF POWER	TAKE-OFF THRUST	GRADIENT AT CLIMB POWER
1030	0.204105	2853	0.151211

CLIMB THRUST	GRADIENT AT FAR36 CUTBACK	THRUST FOR ENGINE OUT LEVEL FLIGHT	VZF (KCAS)
2568	0.105517	2061	183

NUMBER OF ENGINES	RATED THRUST LB	AIRCRAFT WEIGHT (LB)	STAGE NUMBER
2	3500	18300	1

APPROACH PROFILE DATA (HEADWIND = 8 KT) 02-15-1992 15:54:42

AIRCRAFT ID NUMBER	AIRCRAFT AND ENGINE NAMES	AIRCRAFT CATEGORY
054	LEAR 36/TFE731-2	JGA

	DISTANCE FROM RW THRESHOLD (FT)	HEIGHT (FT)	SPEED (KTAS)	THRUST (LB)	FLAPS
POINT 1	113533	6000	273	165	ZERO
POINT 2	56289	3000	151	295	10
POINT 3	27668	1500	137	573	D INTR
POINT 4	18127	1000	130	715	D 40
POINT 5	-954	0	128	689	D 40
POINT 6	-1135	0	121	2100	
POINT 7	-2768	0	30	350	

NUMBER OF ENGINES	RATED THRUST LB	AIRCRAFT WEIGHT (LB)	GLIDE SLOPE
2	3500	13800	3.00

TAKEOFF SEGMENTS DATA (HEADWIND = 8 KT) 06-18-1991 15:41:41

AIRCRAFT ID NUMBER	AIRCRAFT AND ENGINE NAMES	AIRCRAFT CATEGORY
055	LEAR 25/CJ610-8	JGA

AIRCRAFT WEIGHT	STAGE NUMBER	NUMBER OF ENGINES
15000	1	2

SEG. NO.	TYPE	FLAP	START ALT (FT)	END ALT (FT)	CALIBRATED START SPEED (KCAS)	CALIBRATED END SPEED (KCAS)	SEG. LNGTH (FT)	THRST (LB)	R/C (FPM)	GRAD
1	TKOFF	20	0	0	16	156	3689	2527	0	0.00000
2	ACCEL	20	0	214	156	171	1988	2510	1698	0.10293
3	CLIMB	20	214	1500	171	171	6308	2484	3575	0.20384
4	ACCEL	10	1500	1824	171	196	3448	2449	1698	0.08951
5	CLIMB	ZERO	1824	3000	196	196	5831	2176	4149	0.20173
6	ACCEL	ZERO	3000	4220	196	250	13326	2123	2075	0.08733
7	CLIMB	ZERO	4220	5500	250	250	8247	2075	4224	0.15517
8	CLIMB	ZERO	5500	7500	250	250	14009	2087	3984	0.14277
9	CLIMB	ZERO	7500	10000	250	250	19479	2120	3708	0.12834

SEG. NO.	TYPE	FLAP	THRUST TYPE	VALUE
1	TKOFF	20	MAX TKOFF	
2	ACCEL	20	MAX TKOFF	
3	CLIMB	20	MAX TKOFF	
4	ACCEL	10	MAX TKOFF	
5	CLIMB	ZERO	MAX CLIMB	
6	ACCEL	ZERO	MAX CLIMB	
7	CLIMB	ZERO	MAX CLIMB	
8	CLIMB	ZERO	MAX CLIMB	
9	CLIMB	ZERO	MAX CLIMB	

TAKEOFF PROFILE DATA (HEADWIND = 8 KT) 06-18-1991 15:41:47

AIRCRAFT ID NUMBER	AIRCRAFT AND ENGINE NAMES	AIRCRAFT CATEGORY
055	LEAR 25/CJ610-8	JGA

	DISTANCE FROM BRAKE RELEASE (FT)	HEIGHT (FT)	SPEED (KTAS)	THRUST (LB)
POINT 1	0	0	16	2813
POINT 2	3689	0	156	2527
POINT 3	5676	214	172	2493
POINT 4	11984	1500	175	2476
POINT 5	15433	1824	201	2422
POINT 6	16433	2025	202	2180
POINT 7	21264	3000	205	2174
POINT 8	34590	4220	266	2073
POINT 9	42837	5500	271	2078
POINT 10	56846	7500	280	2099
POINT 11	76325	10000	291	0

THRUST FOR LEVEL FLIGHT	GRADIENT AT TAKE-OFF POWER	TAKE-OFF THRUST	GRADIENT AT CLIMB POWER
963	0.213347	2519	0.153755

CLIMB THRUST	GRADIENT AT FAR36 CUTBACK	THRUST FOR ENGINE OUT LEVEL FLIGHT	VZF (KCAS)
2249	0.120455	1925	196

NUMBER OF ENGINES	RATED THRUST LB	AIRCRAFT WEIGHT (LB)	STAGE NUMBER
2	2950	15000	1

APPROACH PROFILE DATA (HEADWIND = 8 KT) 02-15-1992 15:53:17

AIRCRAFT ID NUMBER	AIRCRAFT AND ENGINE NAMES	AIRCRAFT CATEGORY
055	LEAR 25/CJ610-8	JGA

	DISTANCE FROM RW THRESHOLD (FT)	HEIGHT (FT)	SPEED (KTAS)	THRUST (LB)	FLAPS
POINT 1	113533	6000	273	146	ZERO
POINT 2	56289	3000	169	312	10
POINT 3	27668	1500	155	639	D INTR
POINT 4	18127	1000	144	796	D 40
POINT 5	-954	0	142	768	D 40
POINT 6	-1094	0	134	1770	
POINT 7	-2358	0	30	295	

NUMBER OF ENGINES	RATED THRUST LB	AIRCRAFT WEIGHT (LB)	GLIDE SLOPE
2	2950	12200	3.00

TAKEOFF SEGMENTS DATA (HEADWIND = 8 KT) 06-12-1991 16:06:34

AIRCRAFT ID NUMBER	AIRCRAFT AND ENGINE NAMES	AIRCRAFT CATEGORY
057	CIT 2/JT15D-4	JGA

AIRCRAFT WEIGHT	STAGE NUMBER	NUMBER OF ENGINES
14700	1	2

SEG. NO.	TYPE	FLAP	START ALT (FT)	END ALT (FT)	CALIBRATED START SPEED (KCAS)	CALIBRATED END SPEED (KCAS)	SEG. LNGTH (FT)	THRST (LB)	R/C (FPM)	GRAD
1	TKOFF	12	0	0	16	116	3130	1876	0	0.00000
2	ACCEL	12	0	161	116	131	1925	1864	997	0.07987
3	CLIMB	12	161	1500	131	131	8179	1897	2198	0.16368
4	ACCEL	1	1500	2123	131	200	10220	1881	997	0.05796
5	CLIMB	ZERO	2123	3000	200	200	6328	1662	2917	0.13867
6	ACCEL	ZERO	3000	4069	200	250	16731	1657	1459	0.06082
7	CLIMB	ZERO	4069	5500	250	250	12533	1660	3104	0.11417
8	CLIMB	ZERO	5500	7500	250	250	18383	1719	3036	0.10880
9	CLIMB	ZERO	7500	10000	250	250	25124	1774	2875	0.09951

SEG. NO.	TYPE	FLAP	THRUST TYPE	VALUE
1	TKOFF	12	MAX TKOFF	
2	ACCEL	12	MAX TKOFF	
3	CLIMB	12	MAX TKOFF	
4	ACCEL	1	MAX TKOFF	
5	CLIMB	ZERO	MAX CLIMB	
6	ACCEL	ZERO	MAX CLIMB	
7	CLIMB	ZERO	MAX CLIMB	
8	CLIMB	ZERO	MAX CLIMB	
9	CLIMB	ZERO	MAX CLIMB	

TAKEOFF PROFILE DATA (HEADWIND = 8 KT) 06-12-1991 16:06:43

AIRCRAFT ID NUMBER	AIRCRAFT AND ENGINE NAMES	AIRCRAFT CATEGORY
057	CIT 2/JT15D-4	JGA

	DISTANCE FROM BRAKE RELEASE (FT)	HEIGHT (FT)	SPEED (KTAS)	THRUST (LB)
POINT 1	0	0	16	2097
POINT 2	3130	0	116	1876
POINT 3	5055	161	131	1853
POINT 4	13234	1500	134	1939
POINT 5	23454	2123	206	1822
POINT 6	24454	2261	207	1640
POINT 7	29782	3000	209	1683
POINT 8	46513	4069	266	1631
POINT 9	59046	5500	271	1686
POINT 10	77429	7500	280	1746
POINT 11	102553	10000	291	0

THRUST FOR LEVEL FLIGHT	GRADIENT AT TAKE-OFF POWER	TAKE-OFF THRUST	GRADIENT AT CLIMB POWER
693	0.168517	1909	0.139038

CLIMB THRUST	GRADIENT AT FAR36 CUTBACK	THRUST FOR ENGINE OUT LEVEL FLIGHT	VZF (KCAS)
1827	0.088151	1385	200

NUMBER OF ENGINES	RATED THRUST LB	AIRCRAFT WEIGHT (LB)	STAGE NUMBER
2	2500	14700	1

APPROACH PROFILE DATA (HEADWIND = 8 KT) 02-15-1992 16:00:16

AIRCRAFT ID NUMBER	AIRCRAFT AND ENGINE NAMES	AIRCRAFT CATEGORY
057	CIT 2/JT15D-4	JGA

	DISTANCE FROM RW THRESHOLD (FT)	HEIGHT (FT)	SPEED (KTAS)	THRUST (LB)	FLAPS
POINT 1	113533	6000	273	151	ZERO
POINT 2	56289	3000	137	207	1
POINT 3	27668	1500	124	419	D INTR
POINT 4	18127	1000	113	630	D 35
POINT 5	-954	0	111	608	D 35
POINT 6	-1133	0	106	1500	
POINT 7	-2745	0	30	250	

NUMBER OF ENGINES	RATED THRUST LB	AIRCRAFT WEIGHT (LB)	GLIDE SLOPE
2	2500	12600	3.00

TAKEOFF SEGMENTS DATA (HEADWIND = 8 KT) 06-12-1991 13:40:38

AIRCRAFT ID NUMBER	AIRCRAFT AND ENGINE NAMES	AIRCRAFT CATEGORY
058	CL600/ALF502L	JGA

AIRCRAFT WEIGHT	STAGE NUMBER	NUMBER OF ENGINES
36000	1	2

SEG. NO.	TYPE	FLAP	START ALT (FT)	END ALT (FT)	CALIBRATED START SPEED (KCAS)	CALIBRATED END SPEED (KCAS)	SEG. LNGTH (FT)	THRST (LB)	R/C (FPM)	GRAD
1	TKOFF	20	0	0	16	148	3498	5229	0	0.00000
2	ACCEL	20	0	208	148	163	2007	5192	1554	0.09897
3	CLIMB	20	208	1500	163	163	6520	5215	3312	0.19815
4	ACCEL	10	1500	1992	163	200	5671	5183	1554	0.08265
5	CLIMB	ZERO	1992	3000	200	200	5982	4623	3542	0.16853
6	ACCEL	ZERO	3000	4105	200	250	14254	4571	1771	0.07387
7	CLIMB	ZERO	4105	5500	250	250	10304	4535	3681	0.13535
8	CLIMB	ZERO	5500	7500	250	250	15540	4678	3592	0.12870
9	CLIMB	ZERO	7500	10000	250	250	20872	4868	3461	0.11978

SEG. NO.	TYPE	FLAP	THRUST TYPE	VALUE
1	TKOFF	20	MAX TKOFF	
2	ACCEL	20	MAX TKOFF	
3	CLIMB	20	MAX TKOFF	
4	ACCEL	10	MAX TKOFF	
5	CLIMB	ZERO	MAX CLIMB	
6	ACCEL	ZERO	MAX CLIMB	
7	CLIMB	ZERO	MAX CLIMB	
8	CLIMB	ZERO	MAX CLIMB	
9	CLIMB	ZERO	MAX CLIMB	

TAKEOFF PROFILE DATA (HEADWIND = 8 KT) 06-12-1991 13:40:43

AIRCRAFT ID NUMBER	AIRCRAFT AND ENGINE NAMES	AIRCRAFT CATEGORY
058	CL600/ALF502L	JGA

	DISTANCE FROM BRAKE RELEASE (FT)	HEIGHT (FT)	SPEED (KTAS)	THRUST (LB)
POINT 1	0	0	16	6059
POINT 2	3498	0	148	5229
POINT 3	5505	208	163	5155
POINT 4	12025	1500	167	5276
POINT 5	17696	1992	206	5090
POINT 6	18696	2160	206	4581
POINT 7	23679	3000	209	4666
POINT 8	37933	4105	266	4476
POINT 9	48237	5500	271	4594
POINT 10	63777	7500	280	4763
POINT 11	84648	10000	291	0

THRUST FOR LEVEL FLIGHT	GRADIENT AT TAKE-OFF POWER	TAKE-OFF THRUST	GRADIENT AT CLIMB POWER
1657	0.205557	5275	0.164707

CLIMB THRUST	GRADIENT AT FAR36 CUTBACK	THRUST FOR ENGINE OUT LEVEL FLIGHT	VZF (KCAS)
4917	0.086119	3315	200

NUMBER OF ENGINES	RATED THRUST LB	AIRCRAFT WEIGHT (LB)	STAGE NUMBER
2	7500	36000	1

APPROACH PROFILE DATA (HEADWIND = 8 KT) 02-15-1992 16:05:26

AIRCRAFT ID NUMBER	AIRCRAFT AND ENGINE NAMES	AIRCRAFT CATEGORY
058	CL600/ALF502L	JGA

	DISTANCE FROM RW THRESHOLD (FT)	HEIGHT (FT)	SPEED (KTAS)	THRUST (LB)	FLAPS
POINT 1	113533	6000	273	356	ZERO
POINT 2	56289	3000	159	471	10
POINT 3	27668	1500	145	1222	D INTR
POINT 4	18127	1000	134	1820	D 45
POINT 5	-954	0	132	1755	D 45
POINT 6	-1156	0	125	4500	
POINT 7	-2970	0	30	750	

NUMBER OF ENGINES	RATED THRUST LB	AIRCRAFT WEIGHT (LB)	GLIDE SLOPE
2	7500	29700	3.00

TAKEOFF SEGMENTS DATA (HEADWIND = 8 KT) 06-12-1991 11:33:57

AIRCRAFT ID NUMBER	AIRCRAFT AND ENGINE NAMES	AIRCRAFT CATEGORY
059	GIIB/SPEY MK511-8	JGA

AIRCRAFT WEIGHT	STAGE NUMBER	NUMBER OF ENGINES
65500	1	2

SEG. NO.	TYPE	FLAP	START ALT (FT)	END ALT (FT)	CALIBRATED START SPEED (KCAS)	CALIBRATED END SPEED (KCAS)	SEG. LNGTH (FT)	THRST (LB)	R/C (FPM)	GRAD
1	TKOFF	20	0	0	16	152	3725	10148	0	0.00000
2	ACCEL	20	0	207	152	167	1897	10096	1675	0.10403
3	CLIMB	20	207	1500	167	167	6214	10030	3565	0.20814
4	ACCEL	INTR	1500	1845	167	192	3645	9928	1675	0.09026
5	CLIMB	ZERO	1845	3000	192	192	6557	8648	3550	0.17618
6	ACCEL	ZERO	3000	4258	192	250	15916	8453	1775	0.07527
7	CLIMB	ZERO	4258	5500	250	250	9209	8258	3674	0.13492
8	CLIMB	ZERO	5500	7500	250	250	16391	8226	3405	0.12202
9	CLIMB	ZERO	7500	10000	250	250	23729	8182	3044	0.10536

SEG. NO.	TYPE	FLAP	THRUST TYPE	VALUE
1	TKOFF	20	MAX TKOFF	
2	ACCEL	20	MAX TKOFF	
3	CLIMB	20	MAX TKOFF	
4	ACCEL	INTR	MAX TKOFF	
5	CLIMB	ZERO	MAX CLIMB	
6	ACCEL	ZERO	MAX CLIMB	
7	CLIMB	ZERO	MAX CLIMB	
8	CLIMB	ZERO	MAX CLIMB	
9	CLIMB	ZERO	MAX CLIMB	

TAKEOFF PROFILE DATA (HEADWIND = 8 KT) 06-12-1991 11:34:04

AIRCRAFT ID NUMBER	AIRCRAFT AND ENGINE NAMES	AIRCRAFT CATEGORY
059	GIIB/SPEY MK511-8	JGA

	DISTANCE FROM BRAKE RELEASE (FT)	HEIGHT (FT)	SPEED (KTAS)	THRUST (LB)
POINT 1	0	0	16	11061
POINT 2	3725	0	152	10148
POINT 3	5622	207	168	10044
POINT 4	11836	1500	171	10016
POINT 5	15481	1845	197	9840
POINT 6	16481	2021	198	8659
POINT 7	22037	3000	201	8637
POINT 8	37953	4258	266	8270
POINT 9	47162	5500	271	8246
POINT 10	63553	7500	280	8206
POINT 11	87282	10000	291	0

THRUST FOR LEVEL FLIGHT	GRADIENT AT TAKE-OFF POWER	TAKE-OFF THRUST	GRADIENT AT CLIMB POWER
3245	0.215723	10137	0.155768

CLIMB THRUST	GRADIENT AT FAR36 CUTBACK	THRUST FOR ENGINE OUT LEVEL FLIGHT	VZF (KCAS)
8881	0.092713	6489	192

NUMBER OF ENGINES	RATED THRUST LB	AIRCRAFT WEIGHT (LB)	STAGE NUMBER
2	11400	65500	1

APPROACH PROFILE DATA (HEADWIND = 8 KT) 02-15-1992 15:56:07

AIRCRAFT ID NUMBER	AIRCRAFT AND ENGINE NAMES	AIRCRAFT CATEGORY
059	GIIB/SPEY MK511-8	JGA

	DISTANCE FROM RW THRESHOLD (FT)	HEIGHT (FT)	SPEED (KTAS)	THRUST (LB)	FLAPS
POINT 1	113533	6000	273	630	ZERO
POINT 2	56289	3000	166	934	INTR
POINT 3	27668	1500	148	1499	D 20
POINT 4	18127	1000	141	2697	D 30
POINT 5	-954	0	139	2601	D 30
POINT 6	-1147	0	132	6840	
POINT 7	-2880	0	30	1140	

NUMBER OF ENGINES	RATED THRUST LB	AIRCRAFT WEIGHT (LB)	GLIDE SLOPE
2	11400	52650	3.00

TAKEOFF SEGMENTS DATA (HEADWIND = 8 KT) 06-12-1991 13:33:05

AIRCRAFT ID NUMBER	AIRCRAFT AND ENGINE NAMES	AIRCRAFT CATEGORY
060	MU300-10/JT15D-4	JGA

AIRCRAFT WEIGHT	STAGE NUMBER	NUMBER OF ENGINES
14100	1	2

SEG. NO.	TYPE	FLAP	START ALT (FT)	END ALT (FT)	CALIBRATED START SPEED (KCAS)	CALIBRATED END SPEED (KCAS)	SEG. LNGTH (FT)	THRST (LB)	R/C (FPM)	GRAD
1	TKOFF	10	0	0	16	127	2972	1850	0	0.00000
2	ACCEL	10	0	175	127	142	2007	1840	1130	0.08301
3	CLIMB	1	175	1500	142	142	7340	1873	2629	0.18054
4	ACCEL	1	1500	2087	142	200	8782	1867	1130	0.06364
5	CLIMB	ZERO	2087	3000	200	200	6176	1661	3109	0.14782
6	ACCEL	ZERO	3000	4069	200	250	15698	1657	1555	0.06484
7	CLIMB	ZERO	4069	5500	250	250	11730	1660	3316	0.12198
8	CLIMB	ZERO	5500	7500	250	250	17187	1719	3248	0.11637
9	CLIMB	ZERO	7500	10000	250	250	23439	1774	3082	0.10666

SEG. NO.	TYPE	FLAP	THRUST TYPE	VALUE
1	TKOFF	10	MAX TKOFF	
2	ACCEL	10	MAX TKOFF	
3	CLIMB	1	MAX TKOFF	
4	ACCEL	1	MAX TKOFF	
5	CLIMB	ZERO	MAX CLIMB	
6	ACCEL	ZERO	MAX CLIMB	
7	CLIMB	ZERO	MAX CLIMB	
8	CLIMB	ZERO	MAX CLIMB	
9	CLIMB	ZERO	MAX CLIMB	

TAKEOFF PROFILE DATA (HEADWIND = 8 KT) 06-12-1991 13:33:12

AIRCRAFT ID NUMBER	AIRCRAFT AND ENGINE NAMES	AIRCRAFT CATEGORY
060	MU300-10/JT15D-4	JGA

	DISTANCE FROM BRAKE RELEASE (FT)	HEIGHT (FT)	SPEED (KTAS)	THRUST (LB)
POINT 1	0	0	16	2097
POINT 2	2972	0	127	1850
POINT 3	4979	175	142	1830
POINT 4	12319	1500	145	1914
POINT 5	21102	2087	206	1820
POINT 6	22102	2235	207	1638
POINT 7	27277	3000	209	1683
POINT 8	42975	4069	266	1631
POINT 9	54705	5500	271	1686
POINT 10	71891	7500	280	1746
POINT 11	95330	10000	291	0

THRUST FOR LEVEL FLIGHT	GRADIENT AT TAKE-OFF POWER	TAKE-OFF THRUST	GRADIENT AT CLIMB POWER
681	0.173841	1884	0.143639

CLIMB THRUST	GRADIENT AT FAR36 CUTBACK	THRUST FOR ENGINE OUT LEVEL FLIGHT	VZF (KCAS)
1804	0.090394	1362	200

NUMBER OF ENGINES	RATED THRUST LB	AIRCRAFT WEIGHT (LB)	STAGE NUMBER
2	2500	14100	1

APPROACH PROFILE DATA (HEADWIND = 8 KT) 02-15-1992 16:04:06

AIRCRAFT ID NUMBER	AIRCRAFT AND ENGINE NAMES	AIRCRAFT CATEGORY
060	MU300-10/JT15D-4	JGA

	DISTANCE FROM RW THRESHOLD (FT)	HEIGHT (FT)	SPEED (KTAS)	THRUST (LB)	FLAPS
POINT 1	113533	6000	273	142	ZERO
POINT 2	56289	3000	140	206	1
POINT 3	27668	1500	127	401	D INTR
POINT 4	18127	1000	119	596	D 30
POINT 5	-954	0	117	575	D 30
POINT 6	-1111	0	111	1500	
POINT 7	-2520	0	30	250	

NUMBER OF ENGINES	RATED THRUST LB	AIRCRAFT WEIGHT (LB)	GLIDE SLOPE
2	2500	11900	3.00

TAKEOFF SEGMENTS DATA (HEADWIND = 8 KT) 06-12-1991 14:19:10

AIRCRAFT ID NUMBER	AIRCRAFT AND ENGINE NAMES	AIRCRAFT CATEGORY
061	CL601/CF34-3A	JGA

AIRCRAFT WEIGHT	STAGE NUMBER	NUMBER OF ENGINES
43100	1	2

SEG. NO.	TYPE	FLAP	START ALT (FT)	END ALT (FT)	CALIBRATED START SPEED (KCAS)	CALIBRATED END SPEED (KCAS)	SEG. LNGTH (FT)	THRST (LB)	R/C (FPM)	GRAD
1	TKOFF	20	0	0	16	162	4945	6044	0	0.00000
2	ACCEL	20	0	231	162	177	2256	6002	1673	0.09774
3	CLIMB	20	231	1500	177	177	6507	6028	3540	0.19501
4	ACCEL	10	1500	1852	177	200	3915	6031	1673	0.08581
5	CLIMB	ZERO	1852	3000	200	200	6987	5425	3448	0.16425
6	ACCEL	ZERO	3000	4108	200	250	14677	5369	1724	0.07190
7	CLIMB	ZERO	4108	5500	250	250	10596	5325	3573	0.13137
8	CLIMB	ZERO	5500	7500	250	250	16028	5491	3482	0.12478
9	CLIMB	ZERO	7500	10000	250	250	21560	5711	3350	0.11595

SEG. NO.	TYPE	FLAP	THRUST TYPE	VALUE
1	TKOFF	20	MAX TKOFF	
2	ACCEL	20	MAX TKOFF	
3	CLIMB	20	MAX TKOFF	
4	ACCEL	10	MAX TKOFF	
5	CLIMB	ZERO	MAX CLIMB	
6	ACCEL	ZERO	MAX CLIMB	
7	CLIMB	ZERO	MAX CLIMB	
8	CLIMB	ZERO	MAX CLIMB	
9	CLIMB	ZERO	MAX CLIMB	

TAKEOFF PROFILE DATA (HEADWIND = 8 KT) 06-12-1991 14:19:18

AIRCRAFT ID NUMBER	AIRCRAFT AND ENGINE NAMES	AIRCRAFT CATEGORY
061	CL601/CF34-3A	JGA

	DISTANCE FROM BRAKE RELEASE (FT)	HEIGHT (FT)	SPEED (KTAS)	THRUST (LB)
POINT 1	0	0	16	7123
POINT 2	4945	0	162	6044
POINT 3	7201	231	178	5959
POINT 4	13709	1500	181	6097
POINT 5	17624	1852	206	5965
POINT 6	18624	2017	206	5369
POINT 7	24611	3000	209	5481
POINT 8	39289	4108	266	5257
POINT 9	49884	5500	271	5393
POINT 10	65912	7500	280	5589
POINT 11	87473	10000	291	0

THRUST FOR LEVEL FLIGHT	GRADIENT AT TAKE-OFF POWER	TAKE-OFF THRUST	GRADIENT AT CLIMB POWER
1830	0.202321	6099	0.162945

CLIMB THRUST	GRADIENT AT FAR36 CUTBACK	THRUST FOR ENGINE OUT LEVEL FLIGHT	VZF (KCAS)
5684	0.079377	3660	200

NUMBER OF ENGINES	RATED THRUST LB	AIRCRAFT WEIGHT (LB)	STAGE NUMBER
2	9220	43100	1

APPROACH PROFILE DATA (HEADWIND = 8 KT) 02-15-1992 16:06:25

AIRCRAFT ID NUMBER	AIRCRAFT AND ENGINE NAMES	AIRCRAFT CATEGORY
061	CL601/CF34-3A	JGA

	DISTANCE FROM RW THRESHOLD (FT)	HEIGHT (FT)	SPEED (KTAS)	THRUST (LB)	FLAPS
POINT 1	113533	6000	273	388	ZERO
POINT 2	56289	3000	166	452	10
POINT 3	27668	1500	152	1229	D INTR
POINT 4	18127	1000	141	1896	D 45
POINT 5	-954	0	139	1828	D 45
POINT 6	-1178	0	131	5532	
POINT 7	-3195	0	30	922	

NUMBER OF ENGINES	RATED THRUST LB	AIRCRAFT WEIGHT (LB)	GLIDE SLOPE
2	9220	32400	3.00

TAKEOFF SEGMENTS DATA (HEADWIND = 8 KT) 06-11-1991 12:09:42

AIRCRAFT ID NUMBER	AIRCRAFT AND ENGINE NAMES	AIRCRAFT CATEGORY
062	ASTRA 1125/TFE731-3A	JGA

AIRCRAFT WEIGHT	STAGE NUMBER	NUMBER OF ENGINES
23500	1	2

SEG. NO.	TYPE	FLAP	START ALT (FT)	END ALT (FT)	CALIBRATED START SPEED (KCAS)	CALIBRATED END SPEED (KCAS)	SEG. LNGTH (FT)	THRST (LB)	R/C (FPM)	GRAD
1	TKOFF	12	0	0	16	148	3898	2886	0	0.00000
2	ACCEL	12	0	209	148	163	2859	2861	1094	0.06960
3	CLIMB	12	209	1500	163	163	9347	2864	2309	0.13812
4	ACCEL	INTR	1500	1806	163	188	4842	2845	1094	0.06018
5	CLIMB	ZERO	1806	3000	188	188	9155	2539	2572	0.13040
6	ACCEL	ZERO	3000	4356	188	250	23495	2460	1286	0.05491
7	CLIMB	ZERO	4356	5500	250	250	12161	2374	2563	0.09407
8	CLIMB	ZERO	5500	7500	250	250	23349	2389	2391	0.08566
9	CLIMB	ZERO	7500	10000	250	250	34326	2385	2104	0.07283

SEG. NO.	TYPE	FLAP	THRUST TYPE	VALUE
1	TKOFF	12	MAX TKOFF	
2	ACCEL	12	MAX TKOFF	
3	CLIMB	12	MAX TKOFF	
4	ACCEL	INTR	MAX TKOFF	
5	CLIMB	ZERO	MAX CLIMB	
6	ACCEL	ZERO	MAX CLIMB	
7	CLIMB	ZERO	MAX CLIMB	
8	CLIMB	ZERO	MAX CLIMB	
9	CLIMB	ZERO	MAX CLIMB	

TAKEOFF PROFILE DATA (HEADWIND = 8 KT) 06-11-1991 12:09:52

AIRCRAFT ID NUMBER	AIRCRAFT AND ENGINE NAMES	AIRCRAFT CATEGORY
062	ASTRA 1125/TFE731-3A	JGA

	DISTANCE FROM BRAKE RELEASE (FT)	HEIGHT (FT)	SPEED (KTAS)	THRUST (LB)
POINT 1	0	0	16	3398
POINT 2	3898	0	148	2886
POINT 3	6758	209	163	2836
POINT 4	16105	1500	167	2888
POINT 5	20947	1806	193	2802
POINT 6	21947	1937	193	2522
POINT 7	30102	3000	197	2555
POINT 8	53597	4356	267	2366
POINT 9	65758	5500	271	2381
POINT 10	89107	7500	280	2390
POINT 11	123433	10000	291	0

THRUST FOR LEVEL FLIGHT	GRADIENT AT TAKE-OFF POWER	TAKE-OFF THRUST	GRADIENT AT CLIMB POWER
1233	0.145184	2908	0.109370

CLIMB THRUST	GRADIENT AT FAR36 CUTBACK	THRUST FOR ENGINE OUT LEVEL FLIGHT	VZF (KCAS)
2683	0.098248	2466	188

NUMBER OF ENGINES	RATED THRUST LB	AIRCRAFT WEIGHT (LB)	STAGE NUMBER
2	3700	23500	1

APPROACH PROFILE DATA (HEADWIND = 8 KT) 02-15-1992 16:07:29

AIRCRAFT ID NUMBER	AIRCRAFT AND ENGINE NAMES	AIRCRAFT CATEGORY
062	ASTRA 1125/TFE731-3A	JGA

	DISTANCE FROM RW THRESHOLD (FT)	HEIGHT (FT)	SPEED (KTAS)	THRUST (LB)	FLAPS
POINT 1	113533	6000	273	223	ZERO
POINT 2	56289	3000	159	360	INTR
POINT 3	27668	1500	145	667	D INTR
POINT 4	18127	1000	134	827	D 40
POINT 5	-954	0	132	797	D 40
POINT 6	-1191	0	125	2220	
POINT 7	-3320	0	30	370	

NUMBER OF ENGINES	RATED THRUST LB	AIRCRAFT WEIGHT (LB)	GLIDE SLOPE
2	3700	18630	3.00

TAKEOFF SEGMENTS DATA (HEADWIND = 8 KT) 12-10-1991 15:41:17

AIRCRAFT ID NUMBER	AIRCRAFT AND ENGINE NAMES	AIRCRAFT CATEGORY
063	L188C/ALL 501-D13	PCOM

AIRCRAFT WEIGHT	STAGE NUMBER	NUMBER OF ENGINES	100% THRUST
93000	1	4	8000

SEG. NO.	TYPE	FLAP	START ALT (FT)	END ALT (FT)	CALIBRATED START SPEED (KCAS)	CALIBRATED END SPEED (KCAS)	SEG. LNGTH (FT)	THRST %	R/C (FPM)	GRAD
1	TKOFF	78 %	0	0	16	123	2697	102.9	0	0.00000
2	CLIMB	78 %	0	1000	123	123	5074	104.0	2479	0.19707
3	ACCEL	78 %	1000	1301	123	133	2286	101.6	1653	0.12623
4	ACCEL	INTR	1301	1624	133	153	3656	84.5	1240	0.08409
5	CLIMB	ZERO	1624	3000	153	153	7830	80.1	2818	0.17577
6	CLIMB	ZERO	3000	5500	153	153	14871	83.6	2775	0.16812
7	CLIMB	ZERO	5500	7500	153	153	12546	87.9	2723	0.15941
8	CLIMB	ZERO	7500	10000	153	153	16566	92.5	2669	0.15092

SEG. NO.	TYPE	FLAP	THRUST TYPE	VALUE
1	TKOFF	78 %	MAX TKOFF	
2	CLIMB	78 %	MAX TKOFF	
3	ACCEL	78 %	MAX TKOFF	
4	ACCEL	INTR	MAX CLIMB	
5	CLIMB	ZERO	MAX CLIMB	
6	CLIMB	ZERO	MAX CLIMB	
7	CLIMB	ZERO	MAX CLIMB	
8	CLIMB	ZERO	MAX CLIMB	

TAKEOFF PROFILE DATA (HEADWIND = 8 KT) 12-10-1991 15:41:36

AIRCRAFT ID NUMBER	AIRCRAFT AND ENGINE NAMES	AIRCRAFT CATEGORY
063	L188C/ALL 501-D13	PCOM

	DISTANCE FROM BRAKE RELEASE (FT)	HEIGHT (FT)	SPEED (KTAS)	THRUST %
POINT 1	0	0	16	102.88
POINT 2	2697	0	123	102.88
POINT 3	7771	1000	125	105.11
POINT 4	10057	1301	136	98.08
POINT 5	11057	1390	141	90.14
POINT 6	13712	1624	157	78.91
POINT 7	21542	3000	160	81.32
POINT 8	36413	5500	166	85.97
POINT 9	48959	7500	171	89.93
POINT 10	65525	10000	178	0

THRUST FOR LEVEL FLIGHT	GRADIENT AT TAKE-OFF POWER	TAKE-OFF THRUST	GRADIENT AT CLIMB POWER
48.38 %	0.197071	103.99 %	0.157033

CLIMB THRUST	GRADIENT AT FAR36 CUTBACK	THRUST FOR ENGINE OUT LEVEL FLIGHT	VZF (KCAS)
99.81 %	0.051773	64.51 %	153

NUMBER OF ENGINES	RATED SHP	100% THRUST LB	AIRCRAFT WEIGHT (LB)	STAGE NUMBER
4	3750	8000	93000	1

TAKEOFF SEGMENTS DATA (HEADWIND = 8 KT) 12-10-1991 15:43:47

AIRCRAFT ID NUMBER	AIRCRAFT AND ENGINE NAMES	AIRCRAFT CATEGORY
063	L188C/ALL 501-D13	PCOM

AIRCRAFT WEIGHT	STAGE NUMBER	NUMBER OF ENGINES	100% THRUST
102000	2	4	8000

SEG. NO.	TYPE	FLAP	START ALT (FT)	END ALT (FT)	CALIBRATED START SPEED (KCAS)	CALIBRATED END SPEED (KCAS)	SEG. LNGTH (FT)	THRST %	R/C (FPM)	GRAD
1	TKOFF	78 %	0	0	16	129	3397	98.2	0	0.00000
2	CLIMB	78 %	0	1000	129	129	6709	99.3	1964	0.14906
3	ACCEL	78 %	1000	1327	129	139	3282	97.1	1309	0.09521
4	ACCEL	INTR	1327	1649	139	159	4797	81.1	982	0.06379
5	CLIMB	ZERO	1649	3000	159	159	9440	77.1	2385	0.14313
6	CLIMB	ZERO	3000	5500	159	159	18308	80.4	2342	0.13656
7	CLIMB	ZERO	5500	7500	159	159	15501	84.6	2290	0.12902
8	CLIMB	ZERO	7500	10000	159	159	20550	89.0	2236	0.12166

SEG. NO.	TYPE	FLAP	THRUST TYPE	VALUE
1	TKOFF	78 %	MAX TKOFF	
2	CLIMB	78 %	MAX TKOFF	
3	ACCEL	78 %	MAX TKOFF	
4	ACCEL	INTR	MAX CLIMB	
5	CLIMB	ZERO	MAX CLIMB	
6	CLIMB	ZERO	MAX CLIMB	
7	CLIMB	ZERO	MAX CLIMB	
8	CLIMB	ZERO	MAX CLIMB	

TAKEOFF PROFILE DATA (HEADWIND = 8 KT) 12-10-1991 15:43:55

AIRCRAFT ID NUMBER	AIRCRAFT AND ENGINE NAMES	AIRCRAFT CATEGORY
063	L188C/ALL 501-D13	PCOM

	DISTANCE FROM BRAKE RELEASE (FT)	HEIGHT (FT)	SPEED (KTAS)	THRUST %
POINT 1	0	0	16	98.24
POINT 2	3397	0	129	98.24
POINT 3	10106	1000	131	100.37
POINT 4	13388	1327	142	93.90
POINT 5	14388	1394	146	86.30
POINT 6	18185	1649	163	75.97
POINT 7	27625	3000	166	78.25
POINT 8	45933	5500	173	82.72
POINT 9	61434	7500	178	86.54
POINT 10	81983	10000	185	0

THRUST FOR LEVEL FLIGHT	GRADIENT AT TAKE-OFF POWER	TAKE-OFF THRUST	GRADIENT AT CLIMB POWER
53.06 %	0.149058	99.29 %	0.114905

CLIMB THRUST	GRADIENT AT FAR36 CUTBACK	THRUST FOR ENGINE OUT LEVEL FLIGHT	VZF (KCAS)
95.31 %	0.051773	70.75 %	159

NUMBER OF ENGINES	RATED SHP	100% THRUST LB	AIRCRAFT WEIGHT (LB)	STAGE NUMBER
4	3750	8000	102000	2

TAKEOFF SEGMENTS DATA (HEADWIND = 8 KT) 12-10-1991 15:45:26

AIRCRAFT ID NUMBER	AIRCRAFT AND ENGINE NAMES	AIRCRAFT CATEGORY
063	L188C/ALL 501-D13	PCOM

AIRCRAFT WEIGHT	STAGE NUMBER	NUMBER OF ENGINES	100% THRUST
115000	3	4	8000

SEG. NO.	TYPE	FLAP	START ALT (FT)	END ALT (FT)	CALIBRATED START SPEED (KCAS)	CALIBRATED END SPEED (KCAS)	SEG. LNGTH (FT)	THRST %	R/C (FPM)	GRAD
1	TKOFF	78 %	0	0	16	137	4585	92.5	0	0.00000
2	CLIMB	78 %	0	1000	137	137	10310	93.5	1357	0.09700
3	ACCEL	78 %	1000	1380	137	147	5843	91.7	905	0.06193
4	ACCEL	INTR	1380	1694	147	167	7152	77.1	679	0.04178
5	CLIMB	ZERO	1694	3000	167	167	12166	73.4	1879	0.10731
6	CLIMB	ZERO	3000	5500	167	167	24534	76.6	1836	0.10190
7	CLIMB	ZERO	5500	7500	167	167	20918	80.5	1782	0.09561
8	CLIMB	ZERO	7500	10000	167	167	27946	84.8	1727	0.08946

SEG. NO.	TYPE	FLAP	THRUST TYPE	VALUE
1	TKOFF	78 %	MAX TKOFF	
2	CLIMB	78 %	MAX TKOFF	
3	ACCEL	78 %	MAX TKOFF	
4	ACCEL	INTR	MAX CLIMB	
5	CLIMB	ZERO	MAX CLIMB	
6	CLIMB	ZERO	MAX CLIMB	
7	CLIMB	ZERO	MAX CLIMB	
8	CLIMB	ZERO	MAX CLIMB	

TAKEOFF PROFILE DATA (HEADWIND = 8 KT) 12-10-1991 15:45:32

AIRCRAFT ID NUMBER	AIRCRAFT AND ENGINE NAMES	AIRCRAFT CATEGORY
063	L188C/ALL 501-D13	PCOM

	DISTANCE FROM BRAKE RELEASE (FT)	HEIGHT (FT)	SPEED (KTAS)	THRUST %
POINT 1	0	0	16	92.52
POINT 2	4585	0	137	92.52
POINT 3	14895	1000	139	94.53
POINT 4	20738	1380	150	88.89
POINT 5	21738	1424	153	81.70
POINT 6	27890	1694	171	72.41
POINT 7	40055	3000	175	74.50
POINT 8	64589	5500	181	78.76
POINT 9	85507	7500	187	82.39
POINT 10	113453	10000	194	0

THRUST FOR LEVEL FLIGHT	GRADIENT AT TAKE-OFF POWER	TAKE-OFF THRUST	GRADIENT AT CLIMB POWER
59.82 %	0.096996	93.51 %	0.068910

CLIMB THRUST	GRADIENT AT FAR36 CUTBACK	THRUST FOR ENGINE OUT LEVEL FLIGHT	VZF (KCAS)
89.76 %	0.051773	79.76 %	167

NUMBER OF ENGINES	RATED SHP	100% THRUST LB	AIRCRAFT WEIGHT (LB)	STAGE NUMBER
4	3750	8000	115000	3

APPROACH PROFILE DATA (HEADWIND = 8 KT) 02-15-1992 15:19:59

AIRCRAFT ID NUMBER	AIRCRAFT AND ENGINE NAMES	AIRCRAFT CATEGORY
063	L188C/ALL 501-D13	PCOM

	DISTANCE FROM RW THRESHOLD (FT)	HEIGHT (FT)	SPEED (KTAS)	THRUST %	FLAPS
POINT 1	113533	6000	219	10.74	ZERO
POINT 2	56289	3000	154	21.60	INTR
POINT 3	27668	1500	139	20.84	D 78 %
POINT 4	18127	1000	132	35.47	D 100 %
POINT 5	-954	0	130	34.21	D 100 %
POINT 6	-1305	0	123	40.00	
POINT 7	-4464	0	30	10.00	

NUMBER OF ENGINES	RATED SHP	AIRCRAFT WEIGHT (LB)	GLIDE SLOPE	100% THRUST LB
4	3750	88300	3.00	8000

TAKEOFF SEGMENTS DATA (HEADWIND = 8 KT) 09-19-1991 14:45:11

AIRCRAFT ID NUMBER	AIRCRAFT AND ENGINE NAMES	AIRCRAFT CATEGORY
064	DASH 8-100/PW121	JCOM

AIRCRAFT WEIGHT	STAGE NUMBER	NUMBER OF ENGINES	100% THRUST
31000	1	2	4750

SEG. NO.	TYPE	FLAP	START ALT (FT)	END ALT (FT)	CALIBRATED START SPEED (KCAS)	CALIBRATED END SPEED (KCAS)	SEG. LNGTH (FT)	THRST %	R/C (FPM)	GRAD
1	TKOFF	15	0	0	16	100	1794	97.9	0	0.00000
2	CLIMB	15	0	1000	100	100	4551	98.9	2237	0.21973
3	ACCEL	15	1000	1219	100	110	1504	97.6	1491	0.13943
4	ACCEL	5	1219	1435	110	125	2232	82.5	1119	0.09261
5	CLIMB	ZERO	1435	3000	125	125	9803	80.8	2088	0.15961
6	ACCEL	ZERO	3000	3774	125	165	10150	74.0	1119	0.07261
7	CLIMB	ZERO	3774	5500	165	165	16768	67.3	1843	0.10295
8	CLIMB	ZERO	5500	7500	165	165	20115	70.7	1831	0.09943
9	CLIMB	ZERO	7500	10000	165	165	26440	74.9	1803	0.09455

SEG. NO.	TYPE	FLAP	THRUST TYPE	VALUE
1	TKOFF	15	MAX TKOFF	
2	CLIMB	15	MAX TKOFF	
3	ACCEL	15	MAX TKOFF	
4	ACCEL	5	MAX CLIMB	
5	CLIMB	ZERO	MAX CLIMB	
6	ACCEL	ZERO	MAX CLIMB	
7	CLIMB	ZERO	MAX CLIMB	
8	CLIMB	ZERO	MAX CLIMB	
9	CLIMB	ZERO	MAX CLIMB	

TAKEOFF PROFILE DATA (HEADWIND = 8 KT) 09-19-1991 14:45:22

AIRCRAFT ID NUMBER	AIRCRAFT AND ENGINE NAMES	AIRCRAFT CATEGORY
064	DASH 8-100/PW121	JCOM

	DISTANCE FROM BRAKE RELEASE (FT)	HEIGHT (FT)	SPEED (KTAS)	THRUST %
POINT 1	0	0	16	139.89
POINT 2	1794	0	100	97.87
POINT 3	6345	1000	101	99.94
POINT 4	7849	1219	112	95.26
POINT 5	8849	1316	119	85.73
POINT 6	10081	1435	128	79.36
POINT 7	19885	3000	131	82.27
POINT 8	30034	3774	174	65.65
POINT 9	46802	5500	179	68.85
POINT 10	66917	7500	185	72.57
POINT 11	93357	10000	192	0

THRUST FOR LEVEL FLIGHT	GRADIENT AT TAKE-OFF POWER	TAKE-OFF THRUST	GRADIENT AT CLIMB POWER
28.93 %	0.219730	98.90 %	0.178799

CLIMB THRUST	GRADIENT AT FAR36 CUTBACK	THRUST FOR ENGINE OUT LEVEL FLIGHT	VZF (KCAS)
92.73 %	0.082883	57.85 %	125

NUMBER OF ENGINES	RATED THRUST LB	100% THRUST LB	AIRCRAFT WEIGHT (LB)	STAGE NUMBER
2	1950	4750	31000	1

APPROACH PROFILE DATA (HEADWIND = 8 KT) 02-15-1992 15:43:25

AIRCRAFT ID NUMBER	AIRCRAFT AND ENGINE NAMES	AIRCRAFT CATEGORY
064	DASH 8-100/PW121	JCOM

	DISTANCE FROM RW THRESHOLD (FT)	HEIGHT (FT)	SPEED (KTAS)	THRUST %	FLAPS
POINT 1	113533	6000	180	8.66	ZERO
POINT 2	56289	3000	114	9.77	5
POINT 3	27668	1500	98	14.08	D 15
POINT 4	18127	1000	90	16.66	D 35
POINT 5	-954	0	89	16.07	D 35
POINT 6	-1129	0	84	24.63	
POINT 7	-2700	0	30	4.11	

NUMBER OF ENGINES	RATED THRUST LB	AIRCRAFT WEIGHT (LB)	GLIDE SLOPE	100% THRUST LB
2	1950	30500	3.00	4750

TAKEOFF SEGMENTS DATA (HEADWIND = 8 KT) 05-14-1991 11:41:42

AIRCRAFT ID NUMBER	AIRCRAFT AND ENGINE NAMES	AIRCRAFT CATEGORY
065	DASH 7/PT6A-50	PCOM

AIRCRAFT WEIGHT	STAGE NUMBER	NUMBER OF ENGINES	100% THRUST
38950	1	4	2850

SEG. NO.	TYPE	FLAP	START ALT (FT)	END ALT (FT)	CALIBRATED START SPEED (KCAS)	CALIBRATED END SPEED (KCAS)	SEG. LNGTH (FT)	THRST %	R/C (FPM)	GRAD
1	TKOFF	25	0	0	16	92	1211	105.0	0	0.00000
2	CLIMB	25	0	1000	92	92	6713	106.2	1400	0.14896
3	ACCEL	25	1000	1242	92	102	2467	102.4	933	0.09378
4	ACCEL	10	1242	1418	102	122	2754	89.6	700	0.06063
5	CLIMB	ZERO	1418	3000	122	122	12216	74.8	1653	0.12952
6	ACCEL	ZERO	3000	3467	122	160	9492	67.4	700	0.04676
7	CLIMB	ZERO	3467	5500	160	160	27132	60.0	1298	0.07494
8	CLIMB	ZERO	5500	7500	160	160	28428	62.8	1257	0.07035
9	CLIMB	ZERO	7500	10000	160	160	38262	66.1	1208	0.06534

SEG. NO.	TYPE	FLAP	THRUST TYPE	VALUE
1	TKOFF	25	MAX TKOFF	
2	CLIMB	25	MAX TKOFF	
3	ACCEL	25	MAX TKOFF	
4	ACCEL	10	MAX TKOFF	
5	CLIMB	ZERO	MAX CLIMB	
6	ACCEL	ZERO	MAX CLIMB	
7	CLIMB	ZERO	MAX CLIMB	
8	CLIMB	ZERO	MAX CLIMB	
9	CLIMB	ZERO	MAX CLIMB	

TAKEOFF PROFILE DATA (HEADWIND = 8 KT) 05-14-1991 11:41:53

AIRCRAFT ID NUMBER	AIRCRAFT AND ENGINE NAMES	AIRCRAFT CATEGORY
065	DASH 7/PT6A-50	PCOM

	DISTANCE FROM BRAKE RELEASE (FT)	HEIGHT (FT)	SPEED (KTAS)	THRUST %
POINT 1	0	0	16	105.02
POINT 2	1211	0	92	105.02
POINT 3	7924	1000	93	107.30
POINT 4	10391	1242	104	97.40
POINT 5	13145	1418	125	81.75
POINT 6	14145	1547	125	73.57
POINT 7	25360	3000	128	76.16
POINT 8	34853	3467	168	58.67
POINT 9	61985	5500	174	61.39
POINT 10	90413	7500	179	64.22
POINT 11	128675	10000	186	0

THRUST FOR LEVEL FLIGHT	GRADIENT AT TAKE-OFF POWER	TAKE-OFF THRUST	GRADIENT AT CLIMB POWER
56.62 %	0.148957	106.15 %	0.109079

CLIMB THRUST	GRADIENT AT FAR36 CUTBACK	THRUST FOR ENGINE OUT LEVEL FLIGHT	VZF (KCAS)
99.77 %	0.051543	75.50 %	122

NUMBER OF ENGINES	RATED SHP	100% THRUST LB	AIRCRAFT WEIGHT (LB)	STAGE NUMBER
4	1174	2850	38950	1

APPROACH PROFILE DATA (HEADWIND = 8 KT) 02-15-1992 15:41:01

AIRCRAFT ID NUMBER	AIRCRAFT AND ENGINE NAMES	AIRCRAFT CATEGORY
065	DASH 7/PT6A-50	PCOM

	DISTANCE FROM RW THRESHOLD (FT)	HEIGHT (FT)	SPEED (KTAS)	THRUST %	FLAPS
POINT 1	113533	6000	175	9.29	ZERO
POINT 2	56289	3000	121	22.78	10
POINT 3	27668	1500	109	21.56	D INTR
POINT 4	18127	1000	98	24.54	D 25
POINT 5	-954	0	96	23.67	D 25
POINT 6	-1052	0	91	40.00	
POINT 7	-1935	0	30	10.00	

NUMBER OF ENGINES	RATED SHP	AIRCRAFT WEIGHT (LB)	GLIDE SLOPE	100% THRUST LB
4	1174	35100	3.00	2850

TAKEOFF SEGMENTS DATA (HEADWIND = 8 KT) 05-29-1991 14:21:19

AIRCRAFT ID NUMBER	AIRCRAFT AND ENGINE NAMES	AIRCRAFT CATEGORY
066	CV580/ALL 501-D15	PCOM

AIRCRAFT WEIGHT	STAGE NUMBER	NUMBER OF ENGINES	100% THRUST
49000	1	2	8100

SEG. NO.	TYPE	FLAP	START ALT (FT)	END ALT (FT)	CALIBRATED START SPEED (KCAS)	CALIBRATED END SPEED (KCAS)	SEG. LNGTH (FT)	THRST %	R/C (FPM)	GRAD
1	TKOFF	10	0	0	16	120	3860	108.7	0	0.00000
2	CLIMB	10	0	1000	120	120	4265	109.9	2860	0.23445
3	ACCEL	10	1000	1311	120	130	1994	106.9	1907	0.15002
4	ACCEL	INTR	1311	1729	130	150	4023	84.8	1430	0.09910
5	CLIMB	ZERO	1729	3000	150	150	7364	80.2	2715	0.17261
6	CLIMB	ZERO	3000	5500	150	150	15109	83.6	2677	0.16547
7	CLIMB	ZERO	5500	7500	150	150	12730	88.0	2631	0.15711
8	CLIMB	ZERO	7500	10000	150	150	16784	92.6	2582	0.14895

SEG. NO.	TYPE	FLAP	THRUST TYPE	VALUE
1	TKOFF	10	MAX TKOFF	
2	CLIMB	10	MAX TKOFF	
3	ACCEL	10	MAX TKOFF	
4	ACCEL	INTR	MAX CLIMB	
5	CLIMB	ZERO	MAX CLIMB	
6	CLIMB	ZERO	MAX CLIMB	
7	CLIMB	ZERO	MAX CLIMB	
8	CLIMB	ZERO	MAX CLIMB	

TAKEOFF PROFILE DATA (HEADWIND = 8 KT) 05-29-1991 14:21:31

AIRCRAFT ID NUMBER	AIRCRAFT AND ENGINE NAMES	AIRCRAFT CATEGORY
066	CV580/ALL 501-D15	PCOM

	DISTANCE FROM BRAKE RELEASE (FT)	HEIGHT (FT)	SPEED (KTAS)	THRUST %
POINT 1	0	0	16	108.69
POINT 2	3860	0	120	108.69
POINT 3	8125	1000	121	111.05
POINT 4	10119	1311	133	102.82
POINT 5	11119	1415	138	90.48
POINT 6	14142	1729	154	79.13
POINT 7	21505	3000	157	81.36
POINT 8	36614	5500	163	86.01
POINT 9	49344	7500	168	89.98
POINT 10	66129	10000	175	0

THRUST FOR LEVEL FLIGHT	GRADIENT AT TAKE-OFF POWER	TAKE-OFF THRUST	GRADIENT AT CLIMB POWER
41.14 %	0.234446	109.86 %	0.178572

CLIMB THRUST	GRADIENT AT FAR36 CUTBACK	THRUST FOR ENGINE OUT LEVEL FLIGHT	VZF (KCAS)
100.96 %	0.127774	82.28 %	150

NUMBER OF ENGINES	RATED SHP	100% THRUST LB	AIRCRAFT WEIGHT (LB)	STAGE NUMBER
2	3750	8100	49000	1

TAKEOFF SEGMENTS DATA (HEADWIND = 8 KT) 05-29-1991 14:23:29

AIRCRAFT ID NUMBER	AIRCRAFT AND ENGINE NAMES	AIRCRAFT CATEGORY
066	CV580/ALL 501-D15	PCOM

AIRCRAFT WEIGHT	STAGE NUMBER	NUMBER OF ENGINES	100% THRUST
54000	2	2	8100

SEG. NO.	TYPE	FLAP	START ALT (FT)	END ALT (FT)	CALIBRATED START SPEED (KCAS)	CALIBRATED END SPEED (KCAS)	SEG. LNGTH (FT)	THRST %	R/C (FPM)	GRAD
1	TKOFF	10	0	0	16	126	4921	103.5	0	0.00000
2	CLIMB	10	0	1000	126	126	5484	104.6	2335	0.18235
3	ACCEL	10	1000	1326	126	136	2679	102.0	1557	0.11636
4	ACCEL	INTR	1326	1758	136	156	5312	81.3	1168	0.07744
5	CLIMB	ZERO	1758	3000	156	156	8870	77.2	2292	0.14006
6	CLIMB	ZERO	3000	5500	156	156	18662	80.4	2254	0.13396
7	CLIMB	ZERO	5500	7500	156	156	15777	84.6	2208	0.12677
8	CLIMB	ZERO	7500	10000	156	156	20880	89.0	2159	0.11973

SEG. NO.	TYPE	FLAP	THRUST TYPE	VALUE
1	TKOFF	10	MAX TKOFF	
2	CLIMB	10	MAX TKOFF	
3	ACCEL	10	MAX TKOFF	
4	ACCEL	INTR	MAX CLIMB	
5	CLIMB	ZERO	MAX CLIMB	
6	CLIMB	ZERO	MAX CLIMB	
7	CLIMB	ZERO	MAX CLIMB	
8	CLIMB	ZERO	MAX CLIMB	

TAKEOFF PROFILE DATA (HEADWIND = 8 KT) 05-29-1991 14:23:36

AIRCRAFT ID NUMBER	AIRCRAFT AND ENGINE NAMES	AIRCRAFT CATEGORY
066	CV580/ALL 501-D15	PCOM

	DISTANCE FROM BRAKE RELEASE (FT)	HEIGHT (FT)	SPEED (KTAS)	THRUST %
POINT 1	0	0	16	103.53
POINT 2	4921	0	126	103.53
POINT 3	10405	1000	127	105.78
POINT 4	13084	1326	139	98.31
POINT 5	14084	1407	143	86.52
POINT 6	18396	1758	160	76.14
POINT 7	27266	3000	163	78.23
POINT 8	45928	5500	169	82.70
POINT 9	61705	7500	175	86.52
POINT 10	82585	10000	182	0

THRUST FOR LEVEL FLIGHT	GRADIENT AT TAKE-OFF POWER	TAKE-OFF THRUST	GRADIENT AT CLIMB POWER
45.34 %	0.182353	104.65 %	0.135265

CLIMB THRUST	GRADIENT AT FAR36 CUTBACK	THRUST FOR ENGINE OUT LEVEL FLIGHT	VZF (KCAS)
96.18 %	0.127774	90.68 %	156

NUMBER OF ENGINES	RATED SHP	100% THRUST LB	AIRCRAFT WEIGHT (LB)	STAGE NUMBER
2	3750	8100	54000	2

TAKEOFF SEGMENTS DATA (HEADWIND = 8 KT) 05-29-1991 14:25:30

AIRCRAFT ID NUMBER	AIRCRAFT AND ENGINE NAMES	AIRCRAFT CATEGORY
066	CV580/ALL 501-D15	PCOM

AIRCRAFT WEIGHT	STAGE NUMBER	NUMBER OF ENGINES	100% THRUST
58000	3	2	8100

SEG. NO.	TYPE	FLAP	START ALT (FT)	END ALT (FT)	CALIBRATED START SPEED (KCAS)	CALIBRATED END SPEED (KCAS)	SEG. LNGTH (FT)	THRST %	R/C (FPM)	GRAD
1	TKOFF	10	0	0	16	130	5883	99.9	0	0.00000
2	CLIMB	10	0	1000	130	130	6694	101.0	1982	0.14938
3	ACCEL	10	1000	1319	130	140	3191	98.8	1321	0.09539
4	ACCEL	INTR	1319	1757	140	160	6529	79.1	991	0.06390
5	CLIMB	ZERO	1757	3000	160	160	10376	75.2	2010	0.11977
6	CLIMB	ZERO	3000	5500	160	160	21876	78.4	1972	0.11428
7	CLIMB	ZERO	5500	7500	160	160	18554	82.5	1925	0.10779
8	CLIMB	ZERO	7500	10000	160	160	24643	86.8	1876	0.10145

SEG. NO.	TYPE	FLAP	THRUST TYPE	VALUE
1	TKOFF	10	MAX TKOFF	
2	CLIMB	10	MAX TKOFF	
3	ACCEL	10	MAX TKOFF	
4	ACCEL	INTR	MAX CLIMB	
5	CLIMB	ZERO	MAX CLIMB	
6	CLIMB	ZERO	MAX CLIMB	
7	CLIMB	ZERO	MAX CLIMB	
8	CLIMB	ZERO	MAX CLIMB	

TAKEOFF PROFILE DATA (HEADWIND = 8 KT) 05-29-1991 14:25:36

AIRCRAFT ID NUMBER	AIRCRAFT AND ENGINE NAMES	AIRCRAFT CATEGORY
066	CV580/ALL 501-D15	PCOM

	DISTANCE FROM BRAKE RELEASE (FT)	HEIGHT (FT)	SPEED (KTAS)	THRUST %
POINT 1	0	0	16	99.90
POINT 2	5883	0	130	99.90
POINT 3	12578	1000	132	102.07
POINT 4	15769	1319	143	95.49
POINT 5	16769	1386	146	84.03
POINT 6	22297	1757	164	74.23
POINT 7	32673	3000	167	76.28
POINT 8	54550	5500	174	80.63
POINT 9	73104	7500	179	84.35
POINT 10	97747	10000	186	0

THRUST FOR LEVEL FLIGHT	GRADIENT AT TAKE-OFF POWER	TAKE-OFF THRUST	GRADIENT AT CLIMB POWER
48.70 %	0.149380	100.98 %	0.107618

CLIMB THRUST	GRADIENT AT FAR36 CUTBACK	THRUST FOR ENGINE OUT LEVEL FLIGHT	VZF (KCAS)
92.80 %	0.127774	97.40 %	160

NUMBER OF ENGINES	RATED SHP	100% THRUST LB	AIRCRAFT WEIGHT (LB)	STAGE NUMBER
2	3750	8100	58000	3

APPROACH PROFILE DATA (HEADWIND = 8 KT) 02-15-1992 15:45:43

AIRCRAFT ID NUMBER	AIRCRAFT AND ENGINE NAMES	AIRCRAFT CATEGORY
066	CV580/ALL 501-D15	PCOM

	DISTANCE FROM RW THRESHOLD (FT)	HEIGHT (FT)	SPEED (KTAS)	THRUST %	FLAPS
POINT 1	113533	6000	219	8.72	ZERO
POINT 2	56289	3000	153	16.77	INTR
POINT 3	27668	1500	115	20.78	D 28
POINT 4	18127	1000	108	21.99	D 40
POINT 5	-954	0	106	21.21	D 40
POINT 6	-1242	0	101	40.00	
POINT 7	-3830	0	30	10.00	

NUMBER OF ENGINES	RATED SHP	AIRCRAFT WEIGHT (LB)	GLIDE SLOPE	100% THRUST LB
2	3750	46800	3.00	8100

TAKEOFF SEGMENTS DATA (HEADWIND = 8 KT) 05-22-1991 13:58:20

AIRCRAFT ID NUMBER	AIRCRAFT AND ENGINE NAMES	AIRCRAFT CATEGORY
067	HS748/DART MK532-2	PCOM

AIRCRAFT WEIGHT	STAGE NUMBER	NUMBER OF ENGINES	100% THRUST
46500	1	2	5150

SEG. NO.	TYPE	FLAP	START ALT (FT)	END ALT (FT)	CALIBRATED START SPEED (KCAS)	CALIBRATED END SPEED (KCAS)	SEG. LNGTH (FT)	THRST %	R/C (FPM)	GRAD
1	TKOFF	TO	0	0	16	117	2638	97.6	0	0.00000
2	CLIMB	TO	0	1000	117	117	8677	98.7	1376	0.11524
3	ACCEL	TO	1000	1286	117	127	3727	96.1	917	0.07318
4	ACCEL	INTR	1286	1770	127	147	9486	77.9	688	0.04853
5	CLIMB	ZERO	1770	3000	147	147	16287	73.6	1164	0.07550
6	CLIMB	ZERO	3000	5500	147	147	35061	76.7	1131	0.07130
7	CLIMB	ZERO	5500	7500	147	147	30154	80.7	1088	0.06633
8	CLIMB	ZERO	7500	10000	147	147	40682	84.9	1044	0.06145

SEG. NO.	TYPE	FLAP	THRUST TYPE	VALUE
1	TKOFF	TO	MAX TKOFF	
2	CLIMB	TO	MAX TKOFF	
3	ACCEL	TO	MAX TKOFF	
4	ACCEL	INTR	MAX CLIMB	
5	CLIMB	ZERO	MAX CLIMB	
6	CLIMB	ZERO	MAX CLIMB	
7	CLIMB	ZERO	MAX CLIMB	
8	CLIMB	ZERO	MAX CLIMB	

TAKEOFF PROFILE DATA (HEADWIND = 8 KT) 05-22-1991 13:58:33

AIRCRAFT ID NUMBER	AIRCRAFT AND ENGINE NAMES	AIRCRAFT CATEGORY
067	HS748/DART MK532-2	PCOM

	DISTANCE FROM BRAKE RELEASE (FT)	HEIGHT (FT)	SPEED (KTAS)	THRUST %
POINT 1	0	0	16	97.64
POINT 2	2638	0	117	97.64
POINT 3	11316	1000	119	99.76
POINT 4	15042	1286	129	92.48
POINT 5	16042	1337	132	83.21
POINT 6	24528	1770	151	72.65
POINT 7	40815	3000	154	74.63
POINT 8	75877	5500	160	78.89
POINT 9	106031	7500	165	82.53
POINT 10	146712	10000	171	0

THRUST FOR LEVEL FLIGHT	GRADIENT AT TAKE-OFF POWER	TAKE-OFF THRUST	GRADIENT AT CLIMB POWER
47.61 %	0.115241	98.69 %	0.087406

CLIMB THRUST	GRADIENT AT FAR36 CUTBACK	THRUST FOR ENGINE OUT LEVEL FLIGHT	VZF (KCAS)
92.74 %	0.098748	95.22 %	147

NUMBER OF ENGINES	RATED SHP	100% THRUST LB	AIRCRAFT WEIGHT (LB)	STAGE NUMBER
2	2280	5150	46500	1

APPROACH PROFILE DATA (HEADWIND = 8 KT) 02-15-1992 15:46:54

AIRCRAFT ID NUMBER	AIRCRAFT AND ENGINE NAMES	AIRCRAFT CATEGORY
067	HS748/DART MK532-2	PCOM

	DISTANCE FROM RW THRESHOLD (FT)	HEIGHT (FT)	SPEED (KTAS)	THRUST %	FLAPS
POINT 1	113533	6000	175	11.34	ZERO
POINT 2	56289	3000	115	15.66	INTR
POINT 3	27668	1500	102	22.19	D INTR
POINT 4	18127	1000	91	34.16	D 30
POINT 5	-954	0	90	32.94	D 30
POINT 6	-1161	0	86	40.00	
POINT 7	-3024	0	30	10.00	

NUMBER OF ENGINES	RATED SHP	AIRCRAFT WEIGHT (LB)	GLIDE SLOPE	100% THRUST LB
2	2280	38700	3.00	5150

TAKEOFF SEGMENTS DATA (HEADWIND = 8 KT) 06-03-1991 10:07:23

AIRCRAFT ID NUMBER	AIRCRAFT AND ENGINE NAMES	AIRCRAFT CATEGORY
068	SD330/PT6A-45AR	PCOM

AIRCRAFT WEIGHT	STAGE NUMBER	NUMBER OF ENGINES	100% THRUST
21800	1	2	2670

SEG. NO.	TYPE	FLAP	START ALT (FT)	END ALT (FT)	CALIBRATED START SPEED (KCAS)	CALIBRATED END SPEED (KCAS)	SEG. LNGTH (FT)	THRST %	R/C (FPM)	GRAD
1	TKOFF	10	0	0	16	107	2560	110.4	0	0.00000
2	CLIMB	10	0	1000	107	107	7530	111.6	1456	0.13281
3	ACCEL	10	1000	1263	107	117	2969	108.5	971	0.08433
4	ACCEL	INTR	1263	1591	117	137	5624	87.2	728	0.05551
5	CLIMB	ZERO	1591	3000	137	137	12659	81.9	1598	0.11133
6	CLIMB	ZERO	3000	5500	137	137	23617	85.5	1564	0.10586
7	CLIMB	ZERO	5500	7500	137	137	20066	89.9	1524	0.09967
8	CLIMB	ZERO	7500	10000	137	137	26705	94.6	1482	0.09362

SEG. NO.	TYPE	FLAP	THRUST TYPE	VALUE
1	TKOFF	10	MAX TKOFF	
2	CLIMB	10	MAX TKOFF	
3	ACCEL	10	MAX TKOFF	
4	ACCEL	INTR	MAX CLIMB	
5	CLIMB	ZERO	MAX CLIMB	
6	CLIMB	ZERO	MAX CLIMB	
7	CLIMB	ZERO	MAX CLIMB	
8	CLIMB	ZERO	MAX CLIMB	

TAKEOFF PROFILE DATA (HEADWIND = 8 KT) 06-03-1991 10:07:33

AIRCRAFT ID NUMBER	AIRCRAFT AND ENGINE NAMES	AIRCRAFT CATEGORY
068	SD330/PT6A-45AR	PCOM

	DISTANCE FROM BRAKE RELEASE (FT)	HEIGHT (FT)	SPEED (KTAS)	THRUST %
POINT 1	0	0	16	110.43
POINT 2	2560	0	107	110.43
POINT 3	10089	1000	109	112.83
POINT 4	13058	1263	119	104.19
POINT 5	14058	1321	123	93.77
POINT 6	18681	1591	140	80.65
POINT 7	31340	3000	143	83.17
POINT 8	54957	5500	149	87.92
POINT 9	75023	7500	153	91.98
POINT 10	101728	10000	159	0

THRUST FOR LEVEL FLIGHT	GRADIENT AT TAKE-OFF POWER	TAKE-OFF THRUST	GRADIENT AT CLIMB POWER
58.71 %	0.132809	111.62 %	0.097888

CLIMB THRUST	GRADIENT AT FAR36 CUTBACK	THRUST FOR ENGINE OUT LEVEL FLIGHT	VZF (KCAS)
104.92 %	0.135211	117.41 %	137

NUMBER OF ENGINES	RATED SHP	100% THRUST LB	AIRCRAFT WEIGHT (LB)	STAGE NUMBER
2	1254	2670	21800	1

APPROACH PROFILE DATA (HEADWIND = 8 KT) 02-15-1992 15:48:44

AIRCRAFT ID NUMBER	AIRCRAFT AND ENGINE NAMES	AIRCRAFT CATEGORY
068	SD330/PT6A-45AR	PCOM

	DISTANCE FROM RW THRESHOLD (FT)	HEIGHT (FT)	SPEED (KTAS)	THRUST %	FLAPS
POINT 1	113533	6000	175	11.50	ZERO
POINT 2	56289	3000	126	23.71	INTR
POINT 3	27668	1500	109	23.51	D 15
POINT 4	18127	1000	102	36.59	D 35
POINT 5	-954	0	100	35.30	D 35
POINT 6	-1187	0	95	40.00	
POINT 7	-3285	0	30	10.00	

NUMBER OF ENGINES	RATED SHP	AIRCRAFT WEIGHT (LB)	GLIDE SLOPE	100% THRUST LB
2	1254	20340	3.00	2670

TAKEOFF SEGMENTS DATA (HEADWIND = 8 KT) 06-23-1991 12:48:36

AIRCRAFT ID NUMBER	AIRCRAFT AND ENGINE NAMES	AIRCRAFT CATEGORY
069	DASH 6/PT6A-27	PCOM

AIRCRAFT WEIGHT	STAGE NUMBER	NUMBER OF ENGINES	100% THRUST
12500	1	2	2000

SEG. NO.	TYPE	FLAP	START ALT (FT)	END ALT (FT)	CALIBRATED START SPEED (KCAS)	CALIBRATED END SPEED (KCAS)	SEG. LNGTH (FT)	THRST %	R/C (FPM)	GRAD
1	TKOFF	TO	0	0	16	88	1239	97.8	0	0.00000
2	CLIMB	TO	0	1000	88	88	4718	98.9	1903	0.21195
3	ACCEL	TO	1000	1098	88	98	934	94.9	952	0.10003
4	CLIMB	ZERO	1098	3000	98	98	10056	87.2	1935	0.18915
5	CLIMB	ZERO	3000	5500	98	98	13871	91.5	1905	0.18024
6	CLIMB	ZERO	5500	7500	98	98	11674	96.3	1874	0.17132
7	CLIMB	ZERO	7500	10000	98	98	15373	101.3	1842	0.16262

SEG. NO.	TYPE	FLAP	THRUST TYPE	VALUE
1	TKOFF	TO	MAX TKOFF	
2	CLIMB	TO	MAX TKOFF	
3	ACCEL	TO	MAX TKOFF	
4	CLIMB	ZERO	MAX CLIMB	
5	CLIMB	ZERO	MAX CLIMB	
6	CLIMB	ZERO	MAX CLIMB	
7	CLIMB	ZERO	MAX CLIMB	

TAKEOFF PROFILE DATA (HEADWIND = 8 KT) 06-23-1991 12:48:41

AIRCRAFT ID NUMBER	AIRCRAFT AND ENGINE NAMES	AIRCRAFT CATEGORY
069	DASH 6/PT6A-27	PCOM

	DISTANCE FROM BRAKE RELEASE (FT)	HEIGHT (FT)	SPEED (KTAS)	THRUST %
POINT 1	0	0	16	97.82
POINT 2	1239	0	88	97.82
POINT 3	5957	1000	89	99.94
POINT 4	6892	1098	100	89.93
POINT 5	7892	1287	100	85.41
POINT 6	16948	3000	102	89.03
POINT 7	30818	5500	106	94.12
POINT 8	42492	7500	110	98.46
POINT 9	57865	10000	114	0

THRUST FOR LEVEL FLIGHT	GRADIENT AT TAKE-OFF POWER	TAKE-OFF THRUST	GRADIENT AT CLIMB POWER
34.29 %	0.211948	98.87 %	0.186029

CLIMB THRUST	GRADIENT AT FAR36 CUTBACK	THRUST FOR ENGINE OUT LEVEL FLIGHT	VZF (KCAS)
98.07 %	0.102776	68.58 %	98

NUMBER OF ENGINES	RATED SHP	100% THRUST LB	AIRCRAFT WEIGHT (LB)	STAGE NUMBER
2	652	2000	12500	1

APPROACH PROFILE DATA (HEADWIND = 8 KT) 02-15-1992 15:42:25

AIRCRAFT ID NUMBER	AIRCRAFT AND ENGINE NAMES	AIRCRAFT CATEGORY
069	DASH 6/PT6A-27	PCOM

	DISTANCE FROM RW THRESHOLD (FT)	HEIGHT (FT)	SPEED (KTAS)	THRUST %	FLAPS
POINT 1	113533	6000	131	8.35	ZERO
POINT 2	56289	3000	84	12.17	INTR
POINT 3	27668	1500	72	21.96	D INTR
POINT 4	18127	1000	62	36.19	D L
POINT 5	-954	0	61	34.91	D L
POINT 6	-994	0	58	40.00	
POINT 7	-1350	0	30	10.00	

NUMBER OF ENGINES	RATED SHP	AIRCRAFT WEIGHT (LB)	GLIDE SLOPE	100% THRUST LB
2	652	11070	3.00	2000

TAKEOFF SEGMENTS DATA (HEADWIND = 8 KT) 06-18-1991 14:32:13

AIRCRAFT ID NUMBER	AIRCRAFT AND ENGINE NAMES	AIRCRAFT CATEGORY
070	DC6/R2800-CB17	PCOM

AIRCRAFT WEIGHT	STAGE NUMBER	NUMBER OF ENGINES	100% THRUST
85000	1	4	4180

SEG. NO.	TYPE	FLAP	START ALT (FT)	END ALT (FT)	CALIBRATED START SPEED (KCAS)	CALIBRATED END SPEED (KCAS)	SEG. LNGTH (FT)	THRST %	R/C (FPM)	GRAD
1	TKOFF	TO	0	0	16	125	3181	106.3	0	0.00000
2	CLIMB	TO	0	1500	125	125	11801	108.1	1632	0.12711
3	ACCEL	TO	1500	1633	125	135	2083	106.1	818	0.06075
4	CLIMB	ZERO	1633	3000	135	135	14196	95.6	1362	0.09630
5	CLIMB	ZERO	3000	5500	135	135	27399	99.8	1329	0.09125
6	CLIMB	ZERO	5500	7500	135	135	23400	104.9	1288	0.08547
7	CLIMB	ZERO	7500	10000	135	135	31321	110.4	1245	0.07982

SEG. NO.	TYPE	FLAP	THRUST TYPE	VALUE
1	TKOFF	TO	MAX TKOFF	
2	CLIMB	TO	MAX TKOFF	
3	ACCEL	TO	MAX TKOFF	
4	CLIMB	ZERO	MAX CLIMB	
5	CLIMB	ZERO	MAX CLIMB	
6	CLIMB	ZERO	MAX CLIMB	
7	CLIMB	ZERO	MAX CLIMB	

TAKEOFF PROFILE DATA (HEADWIND = 8 KT) 06-18-1991 14:32:18

AIRCRAFT ID NUMBER	AIRCRAFT AND ENGINE NAMES	AIRCRAFT CATEGORY
070	DC6/R2800-CB17	PCOM

	DISTANCE FROM BRAKE RELEASE (FT)	HEIGHT (FT)	SPEED (KTAS)	THRUST %
POINT 1	0	0	16	106.34
POINT 2	3181	0	125	106.34
POINT 3	14982	1500	128	109.83
POINT 4	17066	1633	138	102.29
POINT 5	18066	1729	138	94.21
POINT 6	31262	3000	141	97.07
POINT 7	58660	5500	147	102.61
POINT 8	82060	7500	151	107.35
POINT 9	113381	10000	157	0

THRUST FOR LEVEL FLIGHT	GRADIENT AT TAKE-OFF POWER	TAKE-OFF THRUST	GRADIENT AT CLIMB POWER
43.40 %	0.127894	107.48 %	0.105258

CLIMB THRUST	GRADIENT AT FAR36 CUTBACK	THRUST FOR ENGINE OUT LEVEL FLIGHT	VZF (KCAS)
103.39 %	0.040401	57.87 %	135

NUMBER OF ENGINES	RATED SHP	100% THRUST LB	AIRCRAFT WEIGHT (LB)	STAGE NUMBER
4	2500	4180	85000	1

TAKEOFF SEGMENTS DATA (HEADWIND = 8 KT) 06-18-1991 14:33:36

AIRCRAFT ID NUMBER	AIRCRAFT AND ENGINE NAMES	AIRCRAFT CATEGORY
070	DC6/R2800-CB17	PCOM

AIRCRAFT WEIGHT	STAGE NUMBER	NUMBER OF ENGINES	100% THRUST
95000	2	4	4180

SEG. NO.	TYPE	FLAP	START ALT (FT)	END ALT (FT)	CALIBRATED START SPEED (KCAS)	CALIBRATED END SPEED (KCAS)	SEG. LNGTH (FT)	THRST %	R/C (FPM)	GRAD
1	TKOFF	TO	0	0	16	133	4201	100.6	0	0.00000
2	CLIMB	TO	0	1500	133	133	15889	102.2	1281	0.09440
3	ACCEL	TO	1500	1657	133	143	3309	100.3	643	0.04508
4	CLIMB	ZERO	1657	3000	143	143	19504	90.3	1032	0.06887
5	CLIMB	ZERO	3000	5500	143	143	38668	94.2	997	0.06465
6	CLIMB	ZERO	5500	7500	143	143	33442	99.1	955	0.05980
7	CLIMB	ZERO	7500	10000	143	143	45409	104.3	910	0.05505

SEG. NO.	TYPE	FLAP	THRUST TYPE	VALUE
1	TKOFF	TO	MAX TKOFF	
2	CLIMB	TO	MAX TKOFF	
3	ACCEL	TO	MAX TKOFF	
4	CLIMB	ZERO	MAX CLIMB	
5	CLIMB	ZERO	MAX CLIMB	
6	CLIMB	ZERO	MAX CLIMB	
7	CLIMB	ZERO	MAX CLIMB	

TAKEOFF PROFILE DATA (HEADWIND = 8 KT) 06-18-1991 14:33:40

AIRCRAFT ID NUMBER	AIRCRAFT AND ENGINE NAMES	AIRCRAFT CATEGORY
070	DC6/R2800-CB17	PCOM

	DISTANCE FROM BRAKE RELEASE (FT)	HEIGHT (FT)	SPEED (KTAS)	THRUST %
POINT 1	0	0	16	100.58
POINT 2	4201	0	133	100.58
POINT 3	20091	1500	135	103.89
POINT 4	23400	1657	147	96.61
POINT 5	24400	1726	147	88.99
POINT 6	42903	3000	149	91.64
POINT 7	81571	5500	155	96.87
POINT 8	115013	7500	160	101.34
POINT 9	160423	10000	166	0

THRUST FOR LEVEL FLIGHT	GRADIENT AT TAKE-OFF POWER	TAKE-OFF THRUST	GRADIENT AT CLIMB POWER
48.51 %	0.095061	101.67 %	0.076081

CLIMB THRUST	GRADIENT AT FAR36 CUTBACK	THRUST FOR ENGINE OUT LEVEL FLIGHT	VZF (KCAS)
97.79 %	0.040401	64.67 %	143

NUMBER OF ENGINES	RATED SHP	100% THRUST LB	AIRCRAFT WEIGHT (LB)	STAGE NUMBER
4	2500	4180	95000	2

TAKEOFF SEGMENTS DATA (HEADWIND = 8 KT) 06-18-1991 14:34:48

AIRCRAFT ID NUMBER	AIRCRAFT AND ENGINE NAMES	AIRCRAFT CATEGORY
070	DC6/R2800-CB17	PCOM

AIRCRAFT WEIGHT	STAGE NUMBER	NUMBER OF ENGINES	100% THRUST
105000	3	4	4180

SEG. NO.	TYPE	FLAP	START ALT (FT)	END ALT (FT)	CALIBRATED START SPEED (KCAS)	CALIBRATED END SPEED (KCAS)	SEG. LNGTH (FT)	THRST %	R/C (FPM)	GRAD
1	TKOFF	TO	0	0	16	139	5396	95.7	0	0.00000
2	CLIMB	TO	0	1500	139	139	21583	97.2	992	0.06950
3	ACCEL	TO	1500	1655	139	149	4431	95.8	498	0.03335
4	CLIMB	ZERO	1655	3000	149	149	27248	86.7	771	0.04935
5	CLIMB	ZERO	3000	5500	149	149	54707	90.4	735	0.04570
6	CLIMB	ZERO	5500	7500	149	149	48193	95.1	690	0.04150
7	CLIMB	ZERO	7500	10000	149	149	66869	100.1	644	0.03739

SEG. NO.	TYPE	FLAP	THRUST TYPE	VALUE
1	TKOFF	TO	MAX TKOFF	
2	CLIMB	TO	MAX TKOFF	
3	ACCEL	TO	MAX TKOFF	
4	CLIMB	ZERO	MAX CLIMB	
5	CLIMB	ZERO	MAX CLIMB	
6	CLIMB	ZERO	MAX CLIMB	
7	CLIMB	ZERO	MAX CLIMB	

TAKEOFF PROFILE DATA (HEADWIND = 8 KT) 06-18-1991 14:34:53

AIRCRAFT ID NUMBER	AIRCRAFT AND ENGINE NAMES	AIRCRAFT CATEGORY
070	DC6/R2800-CB17	PCOM

	DISTANCE FROM BRAKE RELEASE (FT)	HEIGHT (FT)	SPEED (KTAS)	THRUST %
POINT 1	0	0	16	95.67
POINT 2	5396	0	139	95.67
POINT 3	26979	1500	142	98.82
POINT 4	31409	1655	153	92.72
POINT 5	32409	1705	153	85.40
POINT 6	58657	3000	156	87.95
POINT 7	113364	5500	162	92.97
POINT 8	161557	7500	167	97.26
POINT 9	228426	10000	173	0

THRUST FOR LEVEL FLIGHT	GRADIENT AT TAKE-OFF POWER	TAKE-OFF THRUST	GRADIENT AT CLIMB POWER
53.61 %	0.070063	96.71 %	0.053813

CLIMB THRUST	GRADIENT AT FAR36 CUTBACK	THRUST FOR ENGINE OUT LEVEL FLIGHT	VZF (KCAS)
93.02 %	0.040401	71.48 %	149

NUMBER OF ENGINES	RATED SHP	100% THRUST LB	AIRCRAFT WEIGHT (LB)	STAGE NUMBER
4	2500	4180	105000	3

APPROACH PROFILE DATA (HEADWIND = 8 KT) 02-15-1992 13:19:57

AIRCRAFT ID NUMBER	AIRCRAFT AND ENGINE NAMES	AIRCRAFT CATEGORY
070	DC6/R2800-CB17	PCOM

	DISTANCE FROM RW THRESHOLD (FT)	HEIGHT (FT)	SPEED (KTAS)	THRUST %	FLAPS
POINT 1	113533	6000	175	17.35	ZERO
POINT 2	56289	3000	111	17.82	TO
POINT 3	27668	1500	98	27.63	D INTR
POINT 4	18127	1000	87	39.85	D L
POINT 5	-954	0	86	38.44	D L
POINT 6	-1130	0	82	40.00	
POINT 7	-2709	0	30	10.00	

NUMBER OF ENGINES	RATED SHP	AIRCRAFT WEIGHT (LB)	GLIDE SLOPE	100% THRUST LB
4	2500	85500	3.00	4180

TAKEOFF SEGMENTS DATA (HEADWIND = 8 KT) 03-15-1992 11:55:10

AIRCRAFT ID NUMBER	AIRCRAFT AND ENGINE NAMES	AIRCRAFT CATEGORY
071	DC3/R1820-86	PCOM

AIRCRAFT WEIGHT	STAGE NUMBER	NUMBER OF ENGINES	100% THRUST
24000	1	2	3120

SEG. NO.	TYPE	FLAP	START ALT (FT)	END ALT (FT)	CALIBRATED START SPEED (KCAS)	CALIBRATED END SPEED (KCAS)	SEG. LNGTH (FT)	THRST %	R/C (FPM)	GRAD
1	TKOFF	TO	0	0	16	96	1520	120.5	0	0.00000
2	CLIMB	TO	0	400	96	96	2062	121.0	1891	0.19401
3	CLIMB	ZERO	400	3000	96	96	16548	108.5	1565	0.15712
4	ACCEL	ZERO	3000	3932	96	126	10487	99.2	1000	0.08476
5	CLIMB	ZERO	3932	5500	126	126	18984	88.3	1130	0.08258
6	CLIMB	ZERO	5500	7500	126	126	25872	91.9	1087	0.07731
7	CLIMB	ZERO	7500	10000	126	126	35322	96.7	1031	0.07078

SEG. NO.	TYPE	FLAP	THRUST TYPE	VALUE
1	TKOFF	TO	MAX TKOFF	
2	CLIMB	TO	MAX TKOFF	
3	CLIMB	ZERO	MAX CLIMB	
4	ACCEL	ZERO	MAX CLIMB	
5	CLIMB	ZERO	MAX CLIMB	
6	CLIMB	ZERO	MAX CLIMB	
7	CLIMB	ZERO	MAX CLIMB	

TAKEOFF PROFILE DATA (HEADWIND = 8 KT) 03-15-1992 11:55:16

AIRCRAFT ID NUMBER	AIRCRAFT AND ENGINE NAMES	AIRCRAFT CATEGORY
071	DC3/R1820-86	PCOM

	DISTANCE FROM BRAKE RELEASE (FT)	HEIGHT (FT)	SPEED (KTAS)	THRUST %
POINT 1	0	0	16	120.49
POINT 2	1520	0	96	120.49
POINT 3	3582	400	96	121.52
POINT 4	4582	557	97	105.47
POINT 5	20130	3000	100	111.60
POINT 6	30616	3932	134	86.74
POINT 7	49601	5500	137	89.83
POINT 8	75472	7500	141	93.97
POINT 9	110794	10000	147	0

THRUST FOR LEVEL FLIGHT	GRADIENT AT TAKE-OFF POWER	TAKE-OFF THRUST	GRADIENT AT CLIMB POWER
49.54 %	0.192547	121.79 %	0.141025

CLIMB THRUST	GRADIENT AT FAR36 CUTBACK	THRUST FOR ENGINE OUT LEVEL FLIGHT	VZF (KCAS)
110.39 %	0.120895	99.08 %	96

NUMBER OF ENGINES	RATED SHP	100% THRUST LB	AIRCRAFT WEIGHT (LB)	STAGE NUMBER
2	1425	3120	24000	1

TAKEOFF SEGMENTS DATA (HEADWIND = 8 KT) 03-15-1992 11:56:50

AIRCRAFT ID NUMBER	AIRCRAFT AND ENGINE NAMES	AIRCRAFT CATEGORY
071	DC3/R1820-86	PCOM

AIRCRAFT WEIGHT	STAGE NUMBER	NUMBER OF ENGINES	100% THRUST
26000	2	2	3120

SEG. NO.	TYPE	FLAP	START ALT (FT)	END ALT (FT)	CALIBRATED START SPEED (KCAS)	CALIBRATED END SPEED (KCAS)	SEG. LNGTH (FT)	THRST %	R/C (FPM)	GRAD
1	TKOFF	TO	0	0	16	100	1856	115.8	0	0.00000
2	CLIMB	TO	0	400	100	100	2553	116.3	1589	0.15665
3	CLIMB	ZERO	400	3000	100	100	20652	104.2	1305	0.12590
4	ACCEL	ZERO	3000	3915	100	130	13322	95.6	800	0.06539
5	CLIMB	ZERO	3915	5500	130	130	25601	85.5	874	0.06191
6	CLIMB	ZERO	5500	7500	130	130	34972	89.0	830	0.05719
7	CLIMB	ZERO	7500	10000	130	130	48665	93.7	772	0.05137

SEG. NO.	TYPE	FLAP	THRUST TYPE	VALUE
1	TKOFF	TO	MAX TKOFF	
2	CLIMB	TO	MAX TKOFF	
3	CLIMB	ZERO	MAX CLIMB	
4	ACCEL	ZERO	MAX CLIMB	
5	CLIMB	ZERO	MAX CLIMB	
6	CLIMB	ZERO	MAX CLIMB	
7	CLIMB	ZERO	MAX CLIMB	

TAKEOFF PROFILE DATA (HEADWIND = 8 KT) 03-15-1992 11:56:55

AIRCRAFT ID NUMBER	AIRCRAFT AND ENGINE NAMES	AIRCRAFT CATEGORY
071	DC3/R1820-86	PCOM

	DISTANCE FROM BRAKE RELEASE (FT)	HEIGHT (FT)	SPEED (KTAS)	THRUST %
POINT 1	0	0	16	115.76
POINT 2	1856	0	100	115.76
POINT 3	4410	400	100	116.76
POINT 4	5410	526	101	101.33
POINT 5	25062	3000	104	107.23
POINT 6	38383	3915	138	84.04
POINT 7	63985	5500	141	87.06
POINT 8	98956	7500	146	91.08
POINT 9	147622	10000	151	0

THRUST FOR LEVEL FLIGHT	GRADIENT AT TAKE-OFF POWER	TAKE-OFF THRUST	GRADIENT AT CLIMB POWER
53.67 %	0.155381	117.01 %	0.110366

CLIMB THRUST	GRADIENT AT FAR36 CUTBACK	THRUST FOR ENGINE OUT LEVEL FLIGHT	VZF (KCAS)
106.06 %	0.120895	107.34 %	100

NUMBER OF ENGINES	RATED SHP	100% THRUST LB	AIRCRAFT WEIGHT (LB)	STAGE NUMBER
2	1425	3120	26000	2

TAKEOFF SEGMENTS DATA (HEADWIND = 8 KT) 03-15-1992 11:57:49

AIRCRAFT ID NUMBER	AIRCRAFT AND ENGINE NAMES	AIRCRAFT CATEGORY
071	DC3/R1820-86	PCOM

AIRCRAFT WEIGHT	STAGE NUMBER	NUMBER OF ENGINES	100% THRUST
28000	3	2	3120

SEG. NO.	TYPE	FLAP	START ALT (FT)	END ALT (FT)	CALIBRATED START SPEED (KCAS)	CALIBRATED END SPEED (KCAS)	SEG. LNGTH (FT)	THRST %	R/C (FPM)	GRAD
1	TKOFF	TO	0	0	16	104	2234	111.6	0	0.00000
2	CLIMB	TO	0	400	104	104	3166	112.0	1330	0.12633
3	CLIMB	ZERO	400	3000	104	104	25890	100.4	1081	0.10042
4	ACCEL	ZERO	3000	5782	104	134	45388	94.2	750	0.05832
5	CLIMB	ZERO	5782	7500	134	134	42987	86.7	599	0.03997
6	CLIMB	ZERO	7500	10000	134	134	71280	90.9	543	0.03507

SEG. NO.	TYPE	FLAP	THRUST TYPE	VALUE
1	TKOFF	TO	MAX TKOFF	
2	CLIMB	TO	MAX TKOFF	
3	CLIMB	ZERO	MAX CLIMB	
4	ACCEL	ZERO	MAX CLIMB	
5	CLIMB	ZERO	MAX CLIMB	
6	CLIMB	ZERO	MAX CLIMB	

TAKEOFF PROFILE DATA (HEADWIND = 8 KT) 03-15-1992 11:57:53

AIRCRAFT ID NUMBER	AIRCRAFT AND ENGINE NAMES	AIRCRAFT CATEGORY
071	DC3/R1820-86	PCOM

	DISTANCE FROM BRAKE RELEASE (FT)	HEIGHT (FT)	SPEED (KTAS)	THRUST %
POINT 1	0	0	16	111.55
POINT 2	2234	0	104	111.55
POINT 3	5401	400	104	112.51
POINT 4	6401	500	104	97.65
POINT 5	31291	3000	108	103.33
POINT 6	76679	5782	146	85.00
POINT 7	119666	7500	150	88.36
POINT 8	190945	10000	156	0

THRUST FOR LEVEL FLIGHT	GRADIENT AT TAKE-OFF POWER	TAKE-OFF THRUST	GRADIENT AT CLIMB POWER
57.80 %	0.125202	112.75 %	0.085315

CLIMB THRUST	GRADIENT AT FAR36 CUTBACK	THRUST FOR ENGINE OUT LEVEL FLIGHT	VZF (KCAS)
102.20 %	0.120895	115.60 %	104

NUMBER OF ENGINES	RATED SHP	100% THRUST LB	AIRCRAFT WEIGHT (LB)	STAGE NUMBER
2	1425	3120	28000	3

APPROACH PROFILE DATA (HEADWIND = 8 KT) 02-15-1992 13:18:02

AIRCRAFT ID NUMBER	AIRCRAFT AND ENGINE NAMES	AIRCRAFT CATEGORY
071	DC3/R1820-86	PCOM

	DISTANCE FROM RW THRESHOLD (FT)	HEIGHT (FT)	SPEED (KTAS)	THRUST %	FLAPS
POINT 1	113533	6000	153	26.82	ZERO
POINT 2	56289	3000	114	28.83	TO
POINT 3	27668	1500	101	30.87	U INT
POINT 4	18127	1000	90	38.34	D 45
POINT 5	-954	0	89	36.98	D 45
POINT 6	-1059	0	84	34.28	
POINT 7	-2000	0	30	10.00	

NUMBER OF ENGINES	RATED SHP	AIRCRAFT WEIGHT (LB)	GLIDE SLOPE	100% THRUST LB
2	1425	22100	3.00	3120

TAKEOFF SEGMENTS DATA (HEADWIND = 8 KT) 06-03-1991 12:01:33

AIRCRAFT ID NUMBER	AIRCRAFT AND ENGINE NAMES	AIRCRAFT CATEGORY
072	SF340B/CT7-9B	PCOM

AIRCRAFT WEIGHT	STAGE NUMBER	NUMBER OF ENGINES	100% THRUST
24548	1	2	4067

SEG. NO.	TYPE	FLAP	START ALT (FT)	END ALT (FT)	CALIBRATED START SPEED (KCAS)	CALIBRATED END SPEED (KCAS)	SEG. LNGTH (FT)	THRST %	R/C (FPM)	GRAD
1	TKOFF	15	0	0	16	117	1792	108.7	0	0.00000
2	CLIMB	15	0	1000	117	117	4366	109.9	2732	0.22904
3	ACCEL	15	1000	1294	117	127	1924	107.0	1821	0.14652
4	ACCEL	5	1294	1655	127	147	3561	86.7	1366	0.09678
5	CLIMB	ZERO	1655	3000	147	147	7524	81.9	2755	0.17880
6	CLIMB	ZERO	3000	5500	147	147	14592	85.4	2717	0.17132
7	CLIMB	ZERO	5500	7500	147	147	12289	89.8	2671	0.16275
8	CLIMB	ZERO	7500	10000	147	147	16195	94.5	2623	0.15437

SEG. NO.	TYPE	FLAP	THRUST TYPE	VALUE
1	TKOFF	15	MAX TKOFF	
2	CLIMB	15	MAX TKOFF	
3	ACCEL	15	MAX TKOFF	
4	ACCEL	5	MAX CLIMB	
5	CLIMB	ZERO	MAX CLIMB	
6	CLIMB	ZERO	MAX CLIMB	
7	CLIMB	ZERO	MAX CLIMB	
8	CLIMB	ZERO	MAX CLIMB	

TAKEOFF PROFILE DATA (HEADWIND = 8 KT) 06-03-1991 12:01:48

AIRCRAFT ID NUMBER	AIRCRAFT AND ENGINE NAMES	AIRCRAFT CATEGORY
072	SF340B/CT7-9B	PCOM

	DISTANCE FROM BRAKE RELEASE (FT)	HEIGHT (FT)	SPEED (KTAS)	THRUST %
POINT 1	0	0	16	108.75
POINT 2	1792	0	117	108.75
POINT 3	6158	1000	119	111.11
POINT 4	8082	1294	129	102.93
POINT 5	9082	1395	135	92.66
POINT 6	11643	1655	151	80.68
POINT 7	19167	3000	154	83.09
POINT 8	33759	5500	160	87.83
POINT 9	46048	7500	165	91.89
POINT 10	62243	10000	171	0

THRUST FOR LEVEL FLIGHT	GRADIENT AT TAKE-OFF POWER	TAKE-OFF THRUST	GRADIENT AT CLIMB POWER
42.92 %	0.229038	109.92 %	0.180595

CLIMB THRUST	GRADIENT AT FAR36 CUTBACK	THRUST FOR ENGINE OUT LEVEL FLIGHT	VZF (KCAS)
103.33 %	0.133686	85.84 %	147

NUMBER OF ENGINES	RATED SHP	100% THRUST LB	AIRCRAFT WEIGHT (LB)	STAGE NUMBER
2	1750	4067	24548	1

TAKEOFF SEGMENTS DATA (HEADWIND = 8 KT) 06-03-1991 12:03:30

AIRCRAFT ID NUMBER	AIRCRAFT AND ENGINE NAMES	AIRCRAFT CATEGORY
072	SF340B/CT7-9B	PCOM

AIRCRAFT WEIGHT	STAGE NUMBER	NUMBER OF ENGINES	100% THRUST
27275	2	2	4067

SEG. NO.	TYPE	FLAP	START ALT (FT)	END ALT (FT)	CALIBRATED START SPEED (KCAS)	CALIBRATED END SPEED (KCAS)	SEG. LNGTH (FT)	THRST %	R/C (FPM)	GRAD
1	TKOFF	15	0	0	16	123	2332	103.2	0	0.00000
2	CLIMB	15	0	1000	123	123	5781	104.3	2175	0.17298
3	ACCEL	15	1000	1297	123	133	2568	101.9	1450	0.11055
4	ACCEL	5	1297	1662	133	153	4721	83.0	1088	0.07370
5	CLIMB	ZERO	1662	3000	153	153	9329	78.7	2300	0.14339
6	CLIMB	ZERO	3000	5500	153	153	18243	82.1	2262	0.13704
7	CLIMB	ZERO	5500	7500	153	153	15416	86.3	2216	0.12973
8	CLIMB	ZERO	7500	10000	153	153	20393	90.8	2168	0.12259

SEG. NO.	TYPE	FLAP	THRUST TYPE	VALUE
1	TKOFF	15	MAX TKOFF	
2	CLIMB	15	MAX TKOFF	
3	ACCEL	15	MAX TKOFF	
4	ACCEL	5	MAX CLIMB	
5	CLIMB	ZERO	MAX CLIMB	
6	CLIMB	ZERO	MAX CLIMB	
7	CLIMB	ZERO	MAX CLIMB	
8	CLIMB	ZERO	MAX CLIMB	

TAKEOFF PROFILE DATA (HEADWIND = 8 KT) 06-03-1991 12:03:36

AIRCRAFT ID NUMBER	AIRCRAFT AND ENGINE NAMES	AIRCRAFT CATEGORY
072	SF340B/CT7-9B	PCOM

	DISTANCE FROM BRAKE RELEASE (FT)	HEIGHT (FT)	SPEED (KTAS)	THRUST %
POINT 1	0	0	16	103.17
POINT 2	2332	0	123	103.17
POINT 3	8113	1000	125	105.41
POINT 4	10681	1297	136	98.30
POINT 5	11681	1374	140	88.48
POINT 6	15402	1662	157	77.53
POINT 7	24731	3000	160	79.83
POINT 8	42973	5500	166	84.39
POINT 9	58390	7500	171	88.28
POINT 10	78783	10000	178	0

THRUST FOR LEVEL FLIGHT	GRADIENT AT TAKE-OFF POWER	TAKE-OFF THRUST	GRADIENT AT CLIMB POWER
47.69 %	0.172983	104.28 %	0.132724

CLIMB THRUST	GRADIENT AT FAR36 CUTBACK	THRUST FOR ENGINE OUT LEVEL FLIGHT	VZF (KCAS)
98.03 %	0.133686	95.37 %	153

NUMBER OF ENGINES	RATED SHP	100% THRUST LB	AIRCRAFT WEIGHT (LB)	STAGE NUMBER
2	1750	4067	27275	2

APPROACH PROFILE DATA (HEADWIND = 8 KT) 02-15-1992 15:50:16

AIRCRAFT ID NUMBER	AIRCRAFT AND ENGINE NAMES	AIRCRAFT CATEGORY
072	SF340B/CT7-9B	PCOM

	DISTANCE FROM RW THRESHOLD (FT)	HEIGHT (FT)	SPEED (KTAS)	THRUST %	FLAPS
POINT 1	113533	6000	175	8.85	ZERO
POINT 2	56289	3000	143	18.00	5
POINT 3	27668	1500	130	18.77	D INTR
POINT 4	18127	1000	119	29.52	D 35
POINT 5	-954	0	117	28.47	D 35
POINT 6	-1171	0	111	40.00	
POINT 7	-3123	0	30	10.00	

NUMBER OF ENGINES	RATED SHP	AIRCRAFT WEIGHT (LB)	GLIDE SLOPE	100% THRUST LB
2	1750	23850	3.00	4067

TAKEOFF SEGMENTS DATA (HEADWIND = 8 KT) 06-04-1991 17:14:04

AIRCRAFT ID NUMBER	AIRCRAFT AND ENGINE NAMES	AIRCRAFT CATEGORY
073	CONQUEST II/TPE331-8	PCOM

AIRCRAFT WEIGHT	STAGE NUMBER	NUMBER OF ENGINES	100% THRUST
9850	1	2	1535

SEG. NO.	TYPE	FLAP	START ALT (FT)	END ALT (FT)	CALIBRATED START SPEED (KCAS)	CALIBRATED END SPEED (KCAS)	SEG. LNGTH (FT)	THRST %	R/C (FPM)	GRAD
1	TKOFF	TO	0	0	16	110	2082	110.4	0	0.00000
2	ACCEL	TO	0	103	110	120	940	105.9	1216	0.10491
3	ACCEL	ZERO	103	314	120	140	2173	94.4	1216	0.09247
4	CLIMB	ZERO	314	3000	140	140	15669	89.9	2491	0.17143
5	CLIMB	ZERO	3000	5500	140	140	16192	92.8	2332	0.15439
6	CLIMB	ZERO	5500	7500	140	140	13727	97.6	2277	0.14570
7	CLIMB	ZERO	7500	10000	140	140	18222	102.7	2220	0.13720

SEG. NO.	TYPE	FLAP	THRUST TYPE	VALUE
1	TKOFF	TO	MAX TKOFF	
2	ACCEL	TO	MAX TKOFF	
3	ACCEL	ZERO	MAX TKOFF	
4	CLIMB	ZERO	MAX TKOFF	
5	CLIMB	ZERO	MAX CLIMB	
6	CLIMB	ZERO	MAX CLIMB	
7	CLIMB	ZERO	MAX CLIMB	

TAKEOFF PROFILE DATA (HEADWIND = 8 KT) 02-21-1992 17:00:58

AIRCRAFT ID NUMBER	AIRCRAFT AND ENGINE NAMES	AIRCRAFT CATEGORY
073	CONQUEST II/TPE331-8	PCOM

	DISTANCE FROM BRAKE RELEASE (FT)	HEIGHT (FT)	SPEED (KTAS)	THRUST %
POINT 1	0	0	16	110.38
POINT 2	2082	0	110	110.38
POINT 3	3022	103	120	101.41
POINT 4	5195	314	141	87.31
POINT 5	20864	3000	146	92.56
POINT 6	21864	3154	147	90.30
POINT 7	37056	5500	152	95.46
POINT 8	50784	7500	157	99.87
POINT 9	69005	10000	163	0

THRUST FOR LEVEL FLIGHT	GRADIENT AT TAKE-OFF POWER	TAKE-OFF THRUST	GRADIENT AT CLIMB POWER
40.14 %	0.198580	102.27 %	0.180973

CLIMB THRUST	GRADIENT AT FAR36 CUTBACK	THRUST FOR ENGINE OUT LEVEL FLIGHT	VZF (KCAS)
104.21 %	0.117367	80.28 %	140

NUMBER OF ENGINES	RATED SHP	100% THRUST LB	AIRCRAFT WEIGHT (LB)	STAGE NUMBER
2	636	1535	9850	1

APPROACH PROFILE DATA (HEADWIND = 8 KT) 02-15-1992 16:02:38

AIRCRAFT ID NUMBER	AIRCRAFT AND ENGINE NAMES	AIRCRAFT CATEGORY
073	CONQUEST II/TPE331-8	PCOM

	DISTANCE FROM RW THRESHOLD (FT)	HEIGHT (FT)	SPEED (KTAS)	THRUST %	FLAPS
POINT 1	113533	6000	175	15.65	ZERO
POINT 2	56289	3000	119	21.25	TO
POINT 3	27668	1500	106	26.30	D INTR
POINT 4	18127	1000	95	31.90	D L
POINT 5	-954	0	94	30.77	D L
POINT 6	-1033	0	89	40.00	
POINT 7	-1745	0	30	10.00	

NUMBER OF ENGINES	RATED SHP	AIRCRAFT WEIGHT (LB)	GLIDE SLOPE	100% THRUST LB
2	636	8424	3.00	1535

TAKEOFF SEGMENTS DATA (HEADWIND = 8 KT) 02-05-1992 13:02:02

AIRCRAFT ID NUMBER	AIRCRAFT AND ENGINE NAMES	AIRCRAFT CATEGORY
074	1985 1-ENG VP PROP	PGA

AIRCRAFT WEIGHT	STAGE NUMBER	NUMBER OF ENGINES	100% THRUST
3000	1	1	790

SEG. NO.	TYPE	FLAP	START ALT (FT)	END ALT (FT)	CALIBRATED START SPEED (KCAS)	CALIBRATED END SPEED (KCAS)	SEG. LNGTH (FT)	THRST %	R/C (FPM)	GRAD
1	TKOFF	20	0	0	16	56	632	163.9	0	0.00000
2	ACCEL	20	0	43	56	66	383	151.1	652	0.10644
3	ACCEL	INTR	43	172	66	90	1491	120.0	652	0.08268
4	CLIMB	INTR	172	1000	90	90	5848	102.6	1302	0.14159
5	ACCEL	INTR	1000	1103	90	100	1464	98.4	652	0.06688
6	CLIMB	ZERO	1103	3000	100	100	17857	88.7	1109	0.10624
7	CLIMB	ZERO	3000	5500	100	100	25242	93.1	1068	0.09904
8	CLIMB	ZERO	5500	7500	100	100	21782	97.9	1025	0.09182
9	CLIMB	ZERO	7500	10000	100	100	29499	103.0	979	0.08475

SEG. NO.	TYPE	FLAP	THRUST TYPE	VALUE
1	TKOFF	20	MAX TKOFF	
2	ACCEL	20	MAX TKOFF	
3	ACCEL	INTR	MAX TKOFF	
4	CLIMB	INTR	MAX TKOFF	
5	ACCEL	INTR	MAX TKOFF	
6	CLIMB	ZERO	MAX CLIMB	
7	CLIMB	ZERO	MAX CLIMB	
8	CLIMB	ZERO	MAX CLIMB	
9	CLIMB	ZERO	MAX CLIMB	

TAKEOFF PROFILE DATA (HEADWIND = 8 KT) 02-05-1992 13:02:07

AIRCRAFT ID NUMBER	AIRCRAFT AND ENGINE NAMES	AIRCRAFT CATEGORY
074	1985 1-ENG VP PROP	PGA

	DISTANCE FROM BRAKE RELEASE (FT)	HEIGHT (FT)	SPEED (KTAS)	THRUST %
POINT 1	0	0	16	163.92
POINT 2	632	0	56	163.92
POINT 3	1014	43	66	138.25
POINT 4	2506	172	90	101.66
POINT 5	8354	1000	91	103.49
POINT 6	9817	1103	102	93.35
POINT 7	10817	1209	102	86.89
POINT 8	27674	3000	105	90.56
POINT 9	52916	5500	109	95.73
POINT 10	74698	7500	112	100.15
POINT 11	104198	10000	116	0

THRUST FOR LEVEL FLIGHT	GRADIENT AT TAKE-OFF POWER	TAKE-OFF THRUST	GRADIENT AT CLIMB POWER
60.20 %	0.114320	102.38 %	0.088156

CLIMB THRUST	GRADIENT AT FAR36 CUTBACK	THRUST FOR ENGINE OUT LEVEL FLIGHT	VZF (KCAS)
99.52 %	0.000000	0.00 %	100

NUMBER OF ENGINES	RATED SHP	100% THRUST LB	AIRCRAFT WEIGHT (LB)	STAGE NUMBER
1	260	790	3000	1

APPROACH PROFILE DATA (HEADWIND = 8 KT) 02-15-1992 16:10:41

AIRCRAFT ID NUMBER	AIRCRAFT AND ENGINE NAMES	AIRCRAFT CATEGORY
074	1985 1-ENG VP PROP	PGA

	DISTANCE FROM RW THRESHOLD (FT)	HEIGHT (FT)	SPEED (KTAS)	THRUST %	FLAPS
POINT 1	68009	6000	109	11.76	ZERO
POINT 2	33719	3000	79	15.65	INTR
POINT 3	16574	1500	67	35.20	D 40
POINT 4	10859	1000	67	34.57	D 40
POINT 5	-572	0	66	33.34	D 40
POINT 6	-614	0	63	31.01	
POINT 7	-1000	0	30	10.00	

NUMBER OF ENGINES	RATED SHP	AIRCRAFT WEIGHT (LB)	GLIDE SLOPE	100% THRUST LB
1	260	2700	5.00	790

TAKEOFF SEGMENTS DATA (HEADWIND = 8 KT) 06-10-1991 17:33:36

AIRCRAFT ID NUMBER	AIRCRAFT AND ENGINE NAMES	AIRCRAFT CATEGORY
075	1985 1-ENG FP PROP	PGA

AIRCRAFT WEIGHT	STAGE NUMBER	NUMBER OF ENGINES	100% THRUST
2200	1	1	560

SEG. NO.	TYPE	FLAP	START ALT (FT)	END ALT (FT)	CALIBRATED START SPEED (KCAS)	CALIBRATED END SPEED (KCAS)	SEG. LNGTH (FT)	THRST %	R/C (FPM)	GRAD
1	TKOFF	UP	0	0	16	62	738	113.1	0	0.00000
2	ACCEL	UP	0	51	62	73	974	104.7	343	0.05018
3	CLIMB	UP	51	1000	73	73	10312	97.3	685	0.09199
4	ACCEL	UP	1000	1098	73	83	2170	92.5	343	0.04280
5	CLIMB	ZERO	1098	3000	83	83	29789	82.8	553	0.06386
6	CLIMB	ZERO	3000	5500	83	83	43541	87.0	514	0.05742
7	CLIMB	ZERO	5500	7500	83	83	39252	91.5	472	0.05095
8	CLIMB	ZERO	7500	10000	83	83	56027	96.2	428	0.04462

SEG. NO.	TYPE	FLAP	THRUST TYPE	VALUE
1	TKOFF	UP	MAX TKOFF	
2	ACCEL	UP	MAX TKOFF	
3	CLIMB	UP	MAX TKOFF	
4	ACCEL	UP	MAX TKOFF	
5	CLIMB	ZERO	MAX CLIMB	
6	CLIMB	ZERO	MAX CLIMB	
7	CLIMB	ZERO	MAX CLIMB	
8	CLIMB	ZERO	MAX CLIMB	

TAKEOFF PROFILE DATA (HEADWIND = 8 KT) 06-10-1991 17:33:52

AIRCRAFT ID NUMBER	AIRCRAFT AND ENGINE NAMES	AIRCRAFT CATEGORY
075	1985 1-ENG FP PROP	PGA

	DISTANCE FROM BRAKE RELEASE (FT)	HEIGHT (FT)	SPEED (KTAS)	THRUST %
POINT 1	0	0	16	113.06
POINT 2	738	0	62	113.06
POINT 3	1713	51	73	96.32
POINT 4	12024	1000	74	98.30
POINT 5	14194	1098	84	86.64
POINT 6	15194	1162	84	81.15
POINT 7	43983	3000	87	84.59
POINT 8	87524	5500	90	89.42
POINT 9	126776	7500	93	93.55
POINT 10	182804	10000	97	0

THRUST FOR LEVEL FLIGHT	GRADIENT AT TAKE-OFF POWER	TAKE-OFF THRUST	GRADIENT AT CLIMB POWER
62.27 %	0.092090	97.25 %	0.069608

CLIMB THRUST	GRADIENT AT FAR36 CUTBACK	THRUST FOR ENGINE OUT LEVEL FLIGHT	VZF (KCAS)
95.13 %	0.000000	0.00 %	83

NUMBER OF ENGINES	RATED SHP	100% THRUST LB	AIRCRAFT WEIGHT (LB)	STAGE NUMBER
1	150	560	2200	1

APPROACH PROFILE DATA (HEADWIND = 8 KT) 02-15-1992 16:11:55

AIRCRAFT ID NUMBER	AIRCRAFT AND ENGINE NAMES	AIRCRAFT CATEGORY
075	1985 1-ENG FP PROP	PGA

	DISTANCE FROM RW THRESHOLD (FT)	HEIGHT (FT)	SPEED (KTAS)	THRUST %	FLAPS
POINT 1	68009	6000	109	21.20	ZERO
POINT 2	33719	3000	72	26.71	UP
POINT 3	16574	1500	60	30.70	D 40
POINT 4	10859	1000	60	30.15	D 40
POINT 5	-572	0	59	29.08	D 40
POINT 6	-619	0	56	27.17	
POINT 7	-1044	0	30	10.00	

NUMBER OF ENGINES	RATED SHP	AIRCRAFT WEIGHT (LB)	GLIDE SLOPE	100% THRUST LB
1	150	1980	5.00	560

TAKEOFF SEGMENTS DATA (HEADWIND = 8 KT) 05-14-1991 12:30:07

AIRCRAFT ID NUMBER	AIRCRAFT AND ENGINE NAMES	AIRCRAFT CATEGORY
076	BARON 58P/TS10-520-L	PCOM

AIRCRAFT WEIGHT	STAGE NUMBER	NUMBER OF ENGINES	100% THRUST
5500	1	2	779

SEG. NO.	TYPE	FLAP	START ALT (FT)	END ALT (FT)	CALIBRATED START SPEED (KCAS)	CALIBRATED END SPEED (KCAS)	SEG. LNGTH (FT)	THRST %	R/C (FPM)	GRAD
1	TKOFF	TO	0	0	16	95	1584	122.8	0	0.00000
2	ACCEL	TO	0	227	95	115	2204	112.4	1040	0.09810
3	CLIMB	TO	227	1000	115	115	5144	102.8	1767	0.15036
4	ACCEL	TO	1000	1312	115	130	3593	98.0	1040	0.08269
5	CLIMB	ZERO	1312	3000	130	130	20244	79.3	1133	0.08340
6	CLIMB	ZERO	3000	5500	130	130	32527	83.0	1078	0.07686
7	CLIMB	ZERO	5500	7500	130	130	28586	87.3	1015	0.06996
8	CLIMB	ZERO	7500	10000	130	130	39547	91.9	950	0.06322

SEG. NO.	TYPE	FLAP	THRUST TYPE	VALUE
1	TKOFF	TO	MAX TKOFF	
2	ACCEL	TO	MAX TKOFF	
3	CLIMB	TO	MAX TKOFF	
4	ACCEL	TO	MAX TKOFF	
5	CLIMB	ZERO	MAX CLIMB	
6	CLIMB	ZERO	MAX CLIMB	
7	CLIMB	ZERO	MAX CLIMB	
8	CLIMB	ZERO	MAX CLIMB	

TAKEOFF PROFILE DATA (HEADWIND = 8 KT) 05-14-1991 12:30:19

AIRCRAFT ID NUMBER	AIRCRAFT AND ENGINE NAMES	AIRCRAFT CATEGORY
076	BARON 58P/TS10-520-L	PCOM

	DISTANCE FROM BRAKE RELEASE (FT)	HEIGHT (FT)	SPEED (KTAS)	THRUST %
POINT 1	0	0	16	122.85
POINT 2	1584	0	95	122.85
POINT 3	3789	227	115	101.97
POINT 4	8933	1000	117	103.69
POINT 5	12526	1312	133	92.34
POINT 6	13526	1395	133	77.84
POINT 7	32770	3000	136	80.76
POINT 8	65298	5500	141	85.37
POINT 9	93884	7500	146	89.31
POINT 10	133431	10000	151	0

THRUST FOR LEVEL FLIGHT	GRADIENT AT TAKE-OFF POWER	TAKE-OFF THRUST	GRADIENT AT CLIMB POWER
50.58 %	0.214632	124.17 %	0.148070

CLIMB THRUST	GRADIENT AT FAR36 CUTBACK	THRUST FOR ENGINE OUT LEVEL FLIGHT	VZF (KCAS)
109.30 %	0.134720	101.16 %	130

NUMBER OF ENGINES	RATED SHP	100% THRUST LB	AIRCRAFT WEIGHT (LB)	STAGE NUMBER
2	310	779	5500	1

APPROACH PROFILE DATA (HEADWIND = 8 KT) 02-15-1992 16:08:40

AIRCRAFT ID NUMBER	AIRCRAFT AND ENGINE NAMES	AIRCRAFT CATEGORY
076	BARON 58P/TS10-520-L	PGA

	DISTANCE FROM RW THRESHOLD (FT)	HEIGHT (FT)	SPEED (KTAS)	THRUST %	FLAPS
POINT 1	68009	6000	142	17.96	ZERO
POINT 2	33719	3000	124	20.90	TO
POINT 3	16574	1500	111	23.94	D 15
POINT 4	10859	1000	100	27.59	D 30
POINT 5	-572	0	99	26.61	D 30
POINT 6	-760	0	94	40.00	
POINT 7	-2460	0	30	10.00	

NUMBER OF ENGINES	RATED SHP	AIRCRAFT WEIGHT (LB)	GLIDE SLOPE	100% THRUST LB
2	310	5500	5.00	779

TAKEOFF SEGMENTS DATA (HEADWIND = 8 KT) 06-11-1991 11:01:10

AIRCRAFT ID NUMBER	AIRCRAFT AND ENGINE NAMES	AIRCRAFT CATEGORY
077	1985 1-ENG COMP	PGA

AIRCRAFT WEIGHT	STAGE NUMBER	NUMBER OF ENGINES	100% THRUST
2440	1	1	605

SEG. NO.	TYPE	FLAP	START ALT (FT)	END ALT (FT)	CALIBRATED START SPEED (KCAS)	CALIBRATED END SPEED (KCAS)	SEG. LNGTH (FT)	THRST %	R/C (FPM)	GRAD
1	TKOFF	UP	0	0	16	59	699	128.0	0	0.00000
2	ACCEL	UP	0	70	59	75	1162	114.5	387	0.05710
3	CLIMB	UP	70	1000	75	75	9220	101.9	772	0.10090
4	ACCEL	UP	1000	1096	75	85	1949	97.0	387	0.04709
5	CLIMB	ZERO	1096	3000	85	85	26565	86.7	636	0.07165
6	CLIMB	ZERO	3000	5500	85	85	38417	91.0	597	0.06508
7	CLIMB	ZERO	5500	7500	85	85	34202	95.7	555	0.05848
8	CLIMB	ZERO	7500	10000	85	85	48064	100.7	511	0.05201

SEG. NO.	TYPE	FLAP	THRUST TYPE	VALUE
1	TKOFF	UP	MAX TKOFF	
2	ACCEL	UP	MAX TKOFF	
3	CLIMB	UP	MAX TKOFF	
4	ACCEL	UP	MAX TKOFF	
5	CLIMB	ZERO	MAX CLIMB	
6	CLIMB	ZERO	MAX CLIMB	
7	CLIMB	ZERO	MAX CLIMB	
8	CLIMB	ZERO	MAX CLIMB	

TAKEOFF PROFILE DATA (HEADWIND = 8 KT) 06-11-1991 11:01:20

AIRCRAFT ID NUMBER	AIRCRAFT AND ENGINE NAMES	AIRCRAFT CATEGORY
077	1985 1-ENG COMP	PGA

	DISTANCE FROM BRAKE RELEASE (FT)	HEIGHT (FT)	SPEED (KTAS)	THRUST %
POINT 1	0	0	16	128.04
POINT 2	699	0	59	128.04
POINT 3	1861	70	75	100.87
POINT 4	11081	1000	76	102.91
POINT 5	13030	1096	86	90.99
POINT 6	14030	1168	86	84.93
POINT 7	39595	3000	89	88.53
POINT 8	78012	5500	92	93.58
POINT 9	112213	7500	95	97.90
POINT 10	160277	10000	99	0

THRUST FOR LEVEL FLIGHT	GRADIENT AT TAKE-OFF POWER	TAKE-OFF THRUST	GRADIENT AT CLIMB POWER
62.28 %	0.101030	101.81 %	0.077251

CLIMB THRUST	GRADIENT AT FAR36 CUTBACK	THRUST FOR ENGINE OUT LEVEL FLIGHT	VZF (KCAS)
99.24 %	0.000000	0.00 %	85

NUMBER OF ENGINES	RATED SHP	100% THRUST LB	AIRCRAFT WEIGHT (LB)	STAGE NUMBER
1	165	605	2440	1

APPROACH PROFILE DATA (HEADWIND = 8 KT) 02-15-1992 16:09:47

AIRCRAFT ID NUMBER	AIRCRAFT AND ENGINE NAMES	AIRCRAFT CATEGORY
077	1985 1-ENG COMP	PGA

	DISTANCE FROM RW THRESHOLD (FT)	HEIGHT (FT)	SPEED (KTAS)	THRUST %	FLAPS
POINT 1	68009	6000	120	19.69	ZERO
POINT 2	33719	3000	72	25.41	UP
POINT 3	16574	1500	60	33.17	D 40
POINT 4	10859	1000	60	32.57	D 40
POINT 5	-572	0	59	31.41	D 40
POINT 6	-618	0	56	29.27	
POINT 7	-1040	0	30	10.00	

NUMBER OF ENGINES	RATED SHP	AIRCRAFT WEIGHT (LB)	GLIDE SLOPE	100% THRUST LB
1	165	2160	5.00	605

TAKEOFF SEGMENTS DATA (HEADWIND = 8 KT) 05-20-1991 15:44:52

AIRCRAFT ID NUMBER	AIRCRAFT AND ENGINE NAMES	AIRCRAFT CATEGORY
078	KC135A/J57-P-59W	JMIL

AIRCRAFT WEIGHT	STAGE NUMBER	NUMBER OF ENGINES
285000	1	4

SEG. NO.	TYPE	FLAP	START ALT (FT)	END ALT (FT)	CALIBRATED START SPEED (KCAS)	CALIBRATED END SPEED (KCAS)	SEG. LNGTH (FT)	THRST (LB)	R/C (FPM)	GRAD
1	TKOFF	20	0	0	16	182	10532	13500	0	0.00000
2	CLIMB	20	0	500	182	182	4749	13500	1952	0.10529
3	ACCEL	20	500	509	182	192	1596	13500	100	0.00524
4	ACCEL	INTR	509	543	192	212	6698	9948	100	0.00485
5	ACCEL	ZERO	543	554	212	222	2412	9884	100	0.00451
6	CLIMB	ZERO	554	2000	222	222	19168	9959	1728	0.07542
7	ACCEL	ZERO	2000	4316	222	250	55171	8675	1000	0.03992
8	CLIMB	ZERO	4316	5500	250	250	25225	8845	1278	0.04693
9	CLIMB	ZERO	5500	7500	250	250	45995	9064	1214	0.04348
10	CLIMB	ZERO	7500	10000	250	250	64345	9396	1123	0.03885

SEG. NO.	TYPE	FLAP	THRUST TYPE	VALUE
1	TKOFF	20	USR SUPPL	13500 LB
2	CLIMB	20	USR SUPPL	13500 LB
3	ACCEL	20	USR SUPPL	13500 LB
4	ACCEL	INTR	MAX TKOFF	
5	ACCEL	ZERO	MAX TKOFF	
6	CLIMB	ZERO	MAX TKOFF	
7	ACCEL	ZERO	MAX CLIMB	
8	CLIMB	ZERO	MAX CLIMB	
9	CLIMB	ZERO	MAX CLIMB	
10	CLIMB	ZERO	MAX CLIMB	

TAKEOFF PROFILE DATA (HEADWIND = 8 KT) 05-20-1991 15:45:02

AIRCRAFT ID NUMBER	AIRCRAFT AND ENGINE NAMES	AIRCRAFT CATEGORY
078	KC135A/J57-P-59W	JMIL

	DISTANCE FROM BRAKE RELEASE (FT)	HEIGHT (FT)	SPEED (KTAS)	THRUST (LB)
POINT 1	0	0	16	13500
POINT 2	10532	0	182	13500
POINT 3	15281	500	184	13500
POINT 4	16877	509	193	13500
POINT 5	17877	514	196	9990
POINT 6	23574	543	214	9905
POINT 7	25987	554	224	9862
POINT 8	45154	2000	229	10059
POINT 9	46154	2042	229	8583
POINT 10	100326	4316	267	8767
POINT 11	125551	5500	271	8925
POINT 12	171546	7500	280	9208
POINT 13	235891	10000	291	0

THRUST FOR LEVEL FLIGHT	GRADIENT AT TAKE-OFF POWER	TAKE-OFF THRUST	GRADIENT AT CLIMB POWER
6235	0.103558	13500	0.028892

CLIMB THRUST	GRADIENT AT FAR36 CUTBACK	THRUST FOR ENGINE OUT LEVEL FLIGHT	VZF (KCAS)
8794	0.040401	8314	212

NUMBER OF ENGINES	RATED THRUST LB	AIRCRAFT WEIGHT (LB)	STAGE NUMBER
4	11750	285000	1

APPROACH PROFILE DATA (HEADWIND = 8 KT) 02-15-1992 13:05:41

AIRCRAFT ID NUMBER	AIRCRAFT AND ENGINE NAMES	AIRCRAFT CATEGORY
078	KC135A/J57-P-59W	JMIL

	DISTANCE FROM RW THRESHOLD (FT)	HEIGHT (FT)	SPEED (KTAS)	THRUST (LB)	FLAPS
POINT 1	113533	6000	273	223	ZERO
POINT 2	56289	3000	195	1689	INTR
POINT 3	27668	1500	181	3008	D 30
POINT 4	18127	1000	159	4697	D 50
POINT 5	-954	0	157	4530	D 50
POINT 6	-1461	0	149	7050	
POINT 7	-6020	0	30	1175	

NUMBER OF ENGINES	RATED THRUST LB	AIRCRAFT WEIGHT (LB)	GLIDE SLOPE
4	11750	205000	3.00

TAKEOFF SEGMENTS DATA (HEADWIND = 8 KT) 05-30-1991 14:14:17

AIRCRAFT ID NUMBER	AIRCRAFT AND ENGINE NAMES	AIRCRAFT CATEGORY
079	F-4C/J79-GE-15	JMIL

AIRCRAFT WEIGHT	STAGE NUMBER	NUMBER OF ENGINES
52000	1	2

SEG. NO.	TYPE	FLAP	START ALT (FT)	END ALT (FT)	CALIBRATED START SPEED (KCAS)	CALIBRATED END SPEED (KCAS)	SEG. LNGTH (FT)	THRST (LB)	R/C (FPM)	GRAD
1	TKOFF	HALF	0	0	16	185	4153	15111	0	0.00000
2	ACCEL	HALF	0	670	185	215	2956	15075	4382	0.22038
3	ACCEL	INTR	670	1345	215	250	3497	14990	4382	0.18647
4	ACCEL	ZERO	1345	3258	250	350	12111	14807	4729	0.15181
5	CLIMB	ZERO	3258	5500	350	350	12732	9573	6662	0.17609
6	CLIMB	ZERO	5500	7500	350	350	12331	9905	6337	0.16219
7	CLIMB	ZERO	7500	10000	350	350	16854	10284	6000	0.14834

SEG. NO.	TYPE	FLAP	THRUST TYPE	VALUE
1	TKOFF	HALF	MAX TKOFF	
2	ACCEL	HALF	MAX TKOFF	
3	ACCEL	INTR	MAX TKOFF	
4	ACCEL	ZERO	MAX TKOFF	
5	CLIMB	ZERO	MAX CLIMB	
6	CLIMB	ZERO	MAX CLIMB	
7	CLIMB	ZERO	MAX CLIMB	

TAKEOFF PROFILE DATA (HEADWIND = 8 KT) 05-30-1991 14:14:28

AIRCRAFT ID NUMBER	AIRCRAFT AND ENGINE NAMES	AIRCRAFT CATEGORY
079	F-4C/J79-GE-15	JMIL

	DISTANCE FROM BRAKE RELEASE (FT)	HEIGHT (FT)	SPEED (KTAS)	THRUST (LB)
POINT 1	0	0	16	16259
POINT 2	4153	0	185	15111
POINT 3	7109	670	217	15040
POINT 4	10606	1345	255	14940
POINT 5	22717	3258	367	14673
POINT 6	23717	3434	368	9408
POINT 7	35449	5500	380	9745
POINT 8	47780	7500	392	10070
POINT 9	64634	10000	407	0

THRUST FOR LEVEL FLIGHT	GRADIENT AT TAKE-OFF POWER	TAKE-OFF THRUST	GRADIENT AT CLIMB POWER
4264	0.464273	15210	0.200098

CLIMB THRUST	GRADIENT AT FAR36 CUTBACK	THRUST FOR ENGINE OUT LEVEL FLIGHT	VZF (KCAS)
10020	0.154625	8528	250

NUMBER OF ENGINES	RATED THRUST LB	AIRCRAFT WEIGHT (LB)	STAGE NUMBER
2	10900	52000	1

TAKEOFF SEGMENTS DATA (HEADWIND = 8 KT) 05-30-1991 14:20:38

AIRCRAFT ID NUMBER	AIRCRAFT AND ENGINE NAMES	AIRCRAFT CATEGORY
079	F-4C/J79-GE-15	JMIL

AIRCRAFT WEIGHT	STAGE NUMBER	NUMBER OF ENGINES
52000	2	2

SEG. NO.	TYPE	FLAP	START ALT (FT)	END ALT (FT)	CALIBRATED START SPEED (KCAS)	CALIBRATED END SPEED (KCAS)	SEG. LNGTH (FT)	THRST (LB)	R/C (FPM)	GRAD
1	TKOFF	HALF	0	0	16	185	6477	9689	0	0.00000
2	ACCEL	HALF	0	621	185	215	5836	9663	2056	0.10154
3	ACCEL	INTR	621	1215	215	250	6562	9599	2056	0.08645
4	ACCEL	ZERO	1215	2925	250	350	21873	9461	2331	0.07446
5	CLIMB	ZERO	2925	3000	350	350	403	9366	6883	0.18585
6	CLIMB	ZERO	3000	5500	350	350	14127	9554	6682	0.17697
7	CLIMB	ZERO	5500	7500	350	350	12331	9905	6337	0.16219
8	CLIMB	ZERO	7500	10000	350	350	16854	10284	6000	0.14834

SEG. NO.	TYPE	FLAP	THRUST TYPE	VALUE
1	TKOFF	HALF	MAX CLIMB	
2	ACCEL	HALF	MAX CLIMB	
3	ACCEL	INTR	MAX CLIMB	
4	ACCEL	ZERO	MAX CLIMB	
5	CLIMB	ZERO	MAX CLIMB	
6	CLIMB	ZERO	MAX CLIMB	
7	CLIMB	ZERO	MAX CLIMB	
8	CLIMB	ZERO	MAX CLIMB	

TAKEOFF PROFILE DATA (HEADWIND = 8 KT) 05-30-1991 14:20:46

AIRCRAFT ID NUMBER	AIRCRAFT AND ENGINE NAMES	AIRCRAFT CATEGORY
079	F-4C/J79-GE-15	JMIL

	DISTANCE FROM BRAKE RELEASE (FT)	HEIGHT (FT)	SPEED (KTAS)	THRUST (LB)
POINT 1	0	0	16	10425
POINT 2	6477	0	185	9689
POINT 3	12313	621	217	9637
POINT 4	18874	1215	254	9562
POINT 5	40747	2925	365	9361
POINT 6	41150	3000	366	9371
POINT 7	55277	5500	380	9745
POINT 8	67608	7500	392	10070
POINT 9	84461	10000	407	0

THRUST FOR LEVEL FLIGHT	GRADIENT AT TAKE-OFF POWER	TAKE-OFF THRUST	GRADIENT AT CLIMB POWER
4264	0.217879	9752	0.200098

CLIMB THRUST	GRADIENT AT FAR36 CUTBACK	THRUST FOR ENGINE OUT LEVEL FLIGHT	VZF (KCAS)
10020	0.154625	8528	250

NUMBER OF ENGINES	RATED THRUST LB	AIRCRAFT WEIGHT (LB)	STAGE NUMBER
2	10900	52000	2

APPROACH PROFILE DATA (HEADWIND = 8 KT) 02-15-1992 13:44:24

AIRCRAFT ID NUMBER	AIRCRAFT AND ENGINE NAMES	AIRCRAFT CATEGORY
079	F-4C/J79-GE-15	JMIL

	DISTANCE FROM RW THRESHOLD (FT)	HEIGHT (FT)	SPEED (KTAS)	THRUST (LB)	FLAPS
POINT 1	113533	6000	273	2001	ZERO
POINT 2	56289	3000	200	2383	INTR
POINT 3	27668	1500	179	3142	D-HALF
POINT 4	18127	1000	164	5059	D-FULL
POINT 5	-954	0	162	4880	D-FULL
POINT 6	-1259	0	153	4501	
POINT 7	-4000	0	30	1090	

NUMBER OF ENGINES	RATED THRUST LB	AIRCRAFT WEIGHT (LB)	GLIDE SLOPE
2	10900	40000	3.00

TAKEOFF SEGMENTS DATA (HEADWIND = 8 KT) 06-20-1991 13:36:46

AIRCRAFT ID NUMBER	AIRCRAFT AND ENGINE NAMES	AIRCRAFT CATEGORY
080	A-7D,E/TF-41-A-1	JMIL

AIRCRAFT WEIGHT	STAGE NUMBER	NUMBER OF ENGINES
36000	1	1

SEG. NO.	TYPE	FLAP	START ALT (FT)	END ALT (FT)	CALIBRATED START SPEED (KCAS)	CALIBRATED END SPEED (KCAS)	SEG. LNGTH (FT)	THRST (LB)	R/C (FPM)	GRAD
1	TKOFF	35	0	0	16	173	5158	12960	0	0.00000
2	ACCEL	35	0	333	173	208	3258	12886	1875	0.09750
3	ACCEL	ZERO	333	3597	208	335	23552	12739	3749	0.13282
4	CLIMB	ZERO	3597	5500	335	335	7807	12856	8848	0.24374
5	CLIMB	ZERO	5500	7500	335	335	8664	13263	8633	0.23084
6	CLIMB	ZERO	7500	10000	335	335	11529	13768	8396	0.21685

SEG. NO.	TYPE	FLAP	THRUST TYPE	VALUE
1	TKOFF	35	MAX TKOFF	
2	ACCEL	35	MAX TKOFF	
3	ACCEL	ZERO	MAX TKOFF	
4	CLIMB	ZERO	MAX TKOFF	
5	CLIMB	ZERO	MAX TKOFF	
6	CLIMB	ZERO	MAX TKOFF	

TAKEOFF PROFILE DATA (HEADWIND = 8 KT) 03-13-1992 13:39:13

AIRCRAFT ID NUMBER	AIRCRAFT AND ENGINE NAMES	AIRCRAFT CATEGORY
080	A-7D,E/TF-41-A-1	JMIL

	DISTANCE FROM BRAKE RELEASE (FT)	HEIGHT (FT)	SPEED (KTAS)	THRUST (LB)
POINT 1	0	0	16	13868
POINT 2	5158	0	173	12960
POINT 3	8417	333	209	12811
POINT 4	31969	3597	353	12668
POINT 5	39776	5500	364	13051
POINT 6	48440	7500	375	13482
POINT 7	59969	10000	390	0

THRUST FOR LEVEL FLIGHT	GRADIENT AT TAKE-OFF POWER	TAKE-OFF THRUST	GRADIENT AT CLIMB POWER
1982	0.294490	12840	0.249673

CLIMB THRUST	GRADIENT AT FAR36 CUTBACK	THRUST FOR ENGINE OUT LEVEL FLIGHT	VZF (KCAS)
12140	0.000000	0	208

NUMBER OF ENGINES	RATED THRUST LB	AIRCRAFT WEIGHT (LB)	STAGE NUMBER
1	14500	36000	1

TAKEOFF SEGMENTS DATA (HEADWIND = 8 KT) 06-20-1991 13:38:30

AIRCRAFT ID NUMBER	AIRCRAFT AND ENGINE NAMES	AIRCRAFT CATEGORY
080	A-7D,E/TF-41-A-1	JMIL

AIRCRAFT WEIGHT	STAGE NUMBER	NUMBER OF ENGINES
42000	2	1

SEG. NO.	TYPE	FLAP	START ALT (FT)	END ALT (FT)	CALIBRATED START SPEED (KCAS)	CALIBRATED END SPEED (KCAS)	SEG. LNGTH (FT)	THRST (LB)	R/C (FPM)	GRAD
1	TKOFF	35	0	0	16	186	7065	12880	0	0.00000
2	ACCEL	35	0	349	186	221	4224	12809	1623	0.07870
3	ACCEL	ZERO	349	3507	221	335	26918	12694	3245	0.11216
4	CLIMB	ZERO	3507	5500	335	335	9969	12847	7253	0.19992
5	CLIMB	ZERO	5500	7500	335	335	10588	13263	7064	0.18889
6	CLIMB	ZERO	7500	10000	335	335	14109	13768	6860	0.17719

SEG. NO.	TYPE	FLAP	THRUST TYPE	VALUE
1	TKOFF	35	MAX TKOFF	
2	ACCEL	35	MAX TKOFF	
3	ACCEL	ZERO	MAX TKOFF	
4	CLIMB	ZERO	MAX TKOFF	
5	CLIMB	ZERO	MAX TKOFF	
6	CLIMB	ZERO	MAX TKOFF	

TAKEOFF PROFILE DATA (HEADWIND = 8 KT) 03-13-1992 11:03:17

AIRCRAFT ID NUMBER	AIRCRAFT AND ENGINE NAMES	AIRCRAFT CATEGORY
080	A-7D,E/TF-41-A-1	JMIL

	DISTANCE FROM BRAKE RELEASE (FT)	HEIGHT (FT)	SPEED (KTAS)	THRUST (LB)
POINT 1	0	0	16	13868
POINT 2	7065	0	186	12880
POINT 3	11289	349	222	12739
POINT 4	38206	3507	353	12650
POINT 5	48175	5500	364	13051
POINT 6	58764	7500	375	13482
POINT 7	72873	10000	390	0

THRUST FOR LEVEL FLIGHT	GRADIENT AT TAKE-OFF POWER	TAKE-OFF THRUST	GRADIENT AT CLIMB POWER
2313	0.239910	12764	0.203081

CLIMB THRUST	GRADIENT AT FAR36 CUTBACK	THRUST FOR ENGINE OUT LEVEL FLIGHT	VZF (KCAS)
12071	0.000000	0	221

NUMBER OF ENGINES	RATED THRUST LB	AIRCRAFT WEIGHT (LB)	STAGE NUMBER
1	14500	42000	2

APPROACH PROFILE DATA (HEADWIND = 8 KT) 02-15-1992 16:53:28

AIRCRAFT ID NUMBER	AIRCRAFT AND ENGINE NAMES	AIRCRAFT CATEGORY
080	A-7D,E/TF-41-A-1	JMIL

	DISTANCE FROM RW THRESHOLD (FT)	HEIGHT (FT)	SPEED (KTAS)	THRUST (LB)	FLAPS
POINT 1	113533	6000	273	843	INTRA
POINT 2	56289	3000	209	754	INTRA
POINT 3	27668	1500	190	1354	D ZERO
POINT 4	18127	1000	155	3165	D MAX
POINT 5	-954	0	152	3053	D MAX
POINT 6	-1521	0	145	2893	
POINT 7	-6620	0	30	1450	

NUMBER OF ENGINES	RATED THRUST LB	AIRCRAFT WEIGHT (LB)	GLIDE SLOPE
1	14500	33000	3.00

TAKEOFF SEGMENTS DATA (HEADWIND = 8 KT) 04-30-1991 13:53:20

AIRCRAFT ID NUMBER	AIRCRAFT AND ENGINE NAMES	AIRCRAFT CATEGORY
081	C-130H/T56-A-15	PMIL

AIRCRAFT WEIGHT	STAGE NUMBER	NUMBER OF ENGINES	100% THRUST
132000	1	4	8026

SEG. NO.	TYPE	FLAP	START ALT (FT)	END ALT (FT)	CALIBRATED START SPEED (KCAS)	CALIBRATED END SPEED (KCAS)	SEG. LNGTH (FT)	THRST %	R/C (FPM)	GRAD
1	TKOFF	17	0	0	16	132	4505	109.6	0	0.00000
2	CLIMB	17	0	1000	132	132	6328	110.8	2135	0.15804
3	ACCEL	17	1000	1303	132	142	2857	108.5	1423	0.10119
4	ACCEL	ZERO	1303	1738	142	162	6099	84.2	1068	0.06799
5	CLIMB	ZERO	1738	3000	162	162	12572	80.2	1705	0.10036
6	ACCEL	ZERO	3000	4444	162	200	26599	74.6	1000	0.05163
7	CLIMB	ZERO	4444	5500	200	200	17594	68.8	1309	0.06003
8	CLIMB	ZERO	5500	7500	200	200	35227	71.2	1268	0.05677
9	CLIMB	ZERO	7500	10000	200	200	48020	74.9	1203	0.05206

SEG. NO.	TYPE	FLAP	THRUST TYPE	VALUE
1	TKOFF	17	MAX TKOFF	
2	CLIMB	17	MAX TKOFF	
3	ACCEL	17	MAX TKOFF	
4	ACCEL	ZERO	MAX CLIMB	
5	CLIMB	ZERO	MAX CLIMB	
6	ACCEL	ZERO	MAX CLIMB	
7	CLIMB	ZERO	MAX CLIMB	
8	CLIMB	ZERO	MAX CLIMB	
9	CLIMB	ZERO	MAX CLIMB	

TAKEOFF PROFILE DATA (HEADWIND = 8 KT) 03-13-1992 10:17:22

AIRCRAFT ID NUMBER	AIRCRAFT AND ENGINE NAMES	AIRCRAFT CATEGORY
081	C-130H/T56-A-15	PMIL

	DISTANCE FROM BRAKE RELEASE (FT)	HEIGHT (FT)	SPEED (KTAS)	THRUST %
POINT 1	0	0	16	109.57
POINT 2	4505	0	132	109.57
POINT 3	10833	1000	134	111.95
POINT 4	13690	1303	145	105.10
POINT 5	14690	1374	148	89.36
POINT 6	19789	1738	166	79.07
POINT 7	32360	3000	169	81.28
POINT 8	58959	4444	214	67.98
POINT 9	76553	5500	217	69.60
POINT 10	111780	7500	224	72.81
POINT 11	159800	10000	233	0

THRUST FOR LEVEL FLIGHT	GRADIENT AT TAKE-OFF POWER	TAKE-OFF THRUST	GRADIENT AT CLIMB POWER
47.06 %	0.158040	110.75 %	0.110117

CLIMB THRUST	GRADIENT AT FAR36 CUTBACK	THRUST FOR ENGINE OUT LEVEL FLIGHT	VZF (KCAS)
98.34 %	0.040401	62.75 %	162

NUMBER OF ENGINES	RATED SHP	100% THRUST LB	AIRCRAFT WEIGHT (LB)	STAGE NUMBER
4	4680	8026	132000	1

TAKEOFF SEGMENTS DATA (HEADWIND = 8 KT) 04-30-1991 13:55:36

AIRCRAFT ID NUMBER	AIRCRAFT AND ENGINE NAMES	AIRCRAFT CATEGORY
081	C-130H/T56-A-15	PMIL

AIRCRAFT WEIGHT	STAGE NUMBER	NUMBER OF ENGINES	100% THRUST
155000	2	4	8026

SEG. NO.	TYPE	FLAP	START ALT (FT)	END ALT (FT)	CALIBRATED START SPEED (KCAS)	CALIBRATED END SPEED (KCAS)	SEG. LNGTH (FT)	THRST %	R/C (FPM)	GRAD
1	TKOFF	17	0	0	16	144	6732	101.1	0	0.00000
2	CLIMB	17	0	1000	144	144	10062	102.2	1455	0.09938
3	ACCEL	17	1000	1383	144	154	5752	100.2	970	0.06339
4	ACCEL	ZERO	1383	1843	154	174	10220	78.2	728	0.04284
5	CLIMB	ZERO	1843	3000	174	174	18519	74.7	1141	0.06245
6	ACCEL	ZERO	3000	4517	174	200	39680	71.9	728	0.03635
7	CLIMB	ZERO	4517	5500	200	200	25192	68.8	851	0.03901
8	CLIMB	ZERO	5500	7500	200	200	55087	71.2	811	0.03631
9	CLIMB	ZERO	7500	10000	200	200	77391	74.9	747	0.03230

SEG. NO.	TYPE	FLAP	THRUST TYPE	VALUE
1	TKOFF	17	MAX TKOFF	
2	CLIMB	17	MAX TKOFF	
3	ACCEL	17	MAX TKOFF	
4	ACCEL	ZERO	MAX CLIMB	
5	CLIMB	ZERO	MAX CLIMB	
6	ACCEL	ZERO	MAX CLIMB	
7	CLIMB	ZERO	MAX CLIMB	
8	CLIMB	ZERO	MAX CLIMB	
9	CLIMB	ZERO	MAX CLIMB	

TAKEOFF PROFILE DATA (HEADWIND = 8 KT) 02-21-1992 16:43:59

AIRCRAFT ID NUMBER	AIRCRAFT AND ENGINE NAMES	AIRCRAFT CATEGORY
081	C-130H/T56-A-15	PMIL

	DISTANCE FROM BRAKE RELEASE (FT)	HEIGHT (FT)	SPEED (KTAS)	THRUST %
POINT 1	0	0	16	101.12
POINT 2	6732	0	144	101.12
POINT 3	16794	1000	146	103.31
POINT 4	22546	1383	157	97.08
POINT 5	23546	1428	159	82.54
POINT 6	32766	1843	179	73.78
POINT 7	51284	3000	182	75.68
POINT 8	90964	4517	214	68.09
POINT 9	116156	5500	217	69.60
POINT 10	171243	7500	224	72.81
POINT 11	248634	10000	233	0

THRUST FOR LEVEL FLIGHT	GRADIENT AT TAKE-OFF POWER	TAKE-OFF THRUST	GRADIENT AT CLIMB POWER
55.26 %	0.099380	102.21 %	0.062355

CLIMB THRUST	GRADIENT AT FAR36 CUTBACK	THRUST FOR ENGINE OUT LEVEL FLIGHT	VZF (KCAS)
90.75 %	0.040401	73.68 %	174

NUMBER OF ENGINES	RATED SHP	100% THRUST LB	AIRCRAFT WEIGHT (LB)	STAGE NUMBER
4	4680	8026	155000	2

APPROACH PROFILE DATA (HEADWIND = 8 KT) 02-15-1992 15:18:28

AIRCRAFT ID NUMBER	AIRCRAFT AND ENGINE NAMES	AIRCRAFT CATEGORY
081	C-130H/T56-A-15	PMIL

	DISTANCE FROM RW THRESHOLD (FT)	HEIGHT (FT)	SPEED (KTAS)	THRUST %	FLAPS
POINT 1	113533	6000	219	13.79	ZERO
POINT 2	56289	3000	173	12.32	ZERO
POINT 3	27668	1500	149	17.44	U INTR
POINT 4	18127	1000	138	22.79	D 35
POINT 5	-954	0	136	21.98	D 35
POINT 6	-1295	0	129	40.00	
POINT 7	-4365	0	30	10.00	

NUMBER OF ENGINES	RATED SHP	AIRCRAFT WEIGHT (LB)	GLIDE SLOPE	100% THRUST LB
4	4680	121500	3.00	8026

TAKEOFF SEGMENTS DATA (HEADWIND = 8 KT) 04-30-1991 13:46:14

AIRCRAFT ID NUMBER	AIRCRAFT AND ENGINE NAMES	AIRCRAFT CATEGORY
082	C-130E/T56-A-7	PMIL

AIRCRAFT WEIGHT	STAGE NUMBER	NUMBER OF ENGINES	100% THRUST
132000	1	4	7063

SEG. NO.	TYPE	FLAP	START ALT (FT)	END ALT (FT)	CALIBRATED START SPEED (KCAS)	CALIBRATED END SPEED (KCAS)	SEG. LNGTH (FT)	THRST %	R/C (FPM)	GRAD
1	TKOFF	17	0	0	16	132	5120	109.6	0	0.00000
2	CLIMB	17	0	1000	132	132	8001	110.7	1689	0.12498
3	ACCEL	17	1000	1308	132	142	3672	108.5	1126	0.07992
4	ACCEL	ZERO	1308	1704	142	162	7005	85.6	845	0.05376
5	CLIMB	ZERO	1704	3000	162	162	15960	81.5	1380	0.08122
6	ACCEL	ZERO	3000	4896	162	200	41492	76.3	845	0.04345
7	CLIMB	ZERO	4896	5500	200	200	13492	70.3	980	0.04478
8	CLIMB	ZERO	5500	7500	200	200	47282	72.4	944	0.04230
9	CLIMB	ZERO	7500	10000	200	200	65635	76.2	880	0.03809

SEG. NO.	TYPE	FLAP	THRUST TYPE	VALUE
1	TKOFF	17	MAX TKOFF	
2	CLIMB	17	MAX TKOFF	
3	ACCEL	17	MAX TKOFF	
4	ACCEL	ZERO	MAX CLIMB	
5	CLIMB	ZERO	MAX CLIMB	
6	ACCEL	ZERO	MAX CLIMB	
7	CLIMB	ZERO	MAX CLIMB	
8	CLIMB	ZERO	MAX CLIMB	
9	CLIMB	ZERO	MAX CLIMB	

TAKEOFF PROFILE DATA (HEADWIND = 8 KT) 02-21-1992 16:36:16

AIRCRAFT ID NUMBER	AIRCRAFT AND ENGINE NAMES	AIRCRAFT CATEGORY
082	C-130E/T56-A-7	PMIL

	DISTANCE FROM BRAKE RELEASE (FT)	HEIGHT (FT)	SPEED (KTAS)	THRUST %
POINT 1	0	0	16	109.56
POINT 2	5120	0	132	109.56
POINT 3	13122	1000	134	111.94
POINT 4	16794	1308	145	105.10
POINT 5	17794	1364	148	90.90
POINT 6	23799	1704	166	80.36
POINT 7	39758	3000	169	82.68
POINT 8	81251	4896	215	69.84
POINT 9	94743	5500	217	70.79
POINT 10	142025	7500	224	74.06
POINT 11	207659	10000	233	0

THRUST FOR LEVEL FLIGHT	GRADIENT AT TAKE-OFF POWER	TAKE-OFF THRUST	GRADIENT AT CLIMB POWER
53.48 %	0.124978	110.74 %	0.086644

CLIMB THRUST	GRADIENT AT FAR36 CUTBACK	THRUST FOR ENGINE OUT LEVEL FLIGHT	VZF (KCAS)
100.02 %	0.040401	71.30 %	162

NUMBER OF ENGINES	RATED SHP	100% THRUST LB	AIRCRAFT WEIGHT (LB)	STAGE NUMBER
4	4050	7063	132000	1

TAKEOFF SEGMENTS DATA (HEADWIND = 8 KT) 04-30-1991 13:48:24

AIRCRAFT ID NUMBER	AIRCRAFT AND ENGINE NAMES	AIRCRAFT CATEGORY
082	C-130E/T56-A-7	PMIL

AIRCRAFT WEIGHT	STAGE NUMBER	NUMBER OF ENGINES	100% THRUST
155000	2	4	7063

SEG. NO.	TYPE	FLAP	START ALT (FT)	END ALT (FT)	CALIBRATED START SPEED (KCAS)	CALIBRATED END SPEED (KCAS)	SEG. LNGTH (FT)	THRST %	R/C (FPM)	GRAD
1	TKOFF	17	0	0	16	144	7651	101.1	0	0.00000
2	CLIMB	17	0	1000	144	144	13536	102.2	1082	0.07388
3	ACCEL	17	1000	1409	144	154	8260	100.2	721	0.04707
4	ACCEL	ZERO	1409	1818	154	174	12208	79.5	541	0.03182
5	CLIMB	ZERO	1818	3000	174	174	24949	76.0	865	0.04740
6	ACCEL	ZERO	3000	4714	174	200	60427	73.3	541	0.02696
7	CLIMB	ZERO	4714	5500	200	200	29915	70.2	574	0.02626
8	CLIMB	ZERO	5500	7500	200	200	83305	72.4	536	0.02401
9	CLIMB	ZERO	7500	10000	200	200	122378	76.2	472	0.02043

SEG. NO.	TYPE	FLAP	THRUST TYPE	VALUE
1	TKOFF	17	MAX TKOFF	
2	CLIMB	17	MAX TKOFF	
3	ACCEL	17	MAX TKOFF	
4	ACCEL	ZERO	MAX CLIMB	
5	CLIMB	ZERO	MAX CLIMB	
6	ACCEL	ZERO	MAX CLIMB	
7	CLIMB	ZERO	MAX CLIMB	
8	CLIMB	ZERO	MAX CLIMB	
9	CLIMB	ZERO	MAX CLIMB	

TAKEOFF PROFILE DATA (HEADWIND = 8 KT) 02-21-1992 16:38:42

AIRCRAFT ID NUMBER	AIRCRAFT AND ENGINE NAMES	AIRCRAFT CATEGORY
082	C-130E/T56-A-7	PMIL

	DISTANCE FROM BRAKE RELEASE (FT)	HEIGHT (FT)	SPEED (KTAS)	THRUST %
POINT 1	0	0	16	101.10
POINT 2	7651	0	144	101.10
POINT 3	21187	1000	146	103.30
POINT 4	29447	1409	157	97.12
POINT 5	30447	1442	159	84.00
POINT 6	41655	1818	179	75.01
POINT 7	66604	3000	182	76.97
POINT 8	127031	4714	215	69.56
POINT 9	156946	5500	217	70.79
POINT 10	240251	7500	224	74.06
POINT 11	362629	10000	233	0

THRUST FOR LEVEL FLIGHT	GRADIENT AT TAKE-OFF POWER	TAKE-OFF THRUST	GRADIENT AT CLIMB POWER
62.80 %	0.073875	102.19 %	0.044095

CLIMB THRUST	GRADIENT AT FAR36 CUTBACK	THRUST FOR ENGINE OUT LEVEL FLIGHT	VZF (KCAS)
92.30 %	0.040401	83.73 %	174

NUMBER OF ENGINES	RATED SHP	100% THRUST LB	AIRCRAFT WEIGHT (LB)	STAGE NUMBER
4	4050	7063	155000	2

APPROACH PROFILE DATA (HEADWIND = 8 KT) 02-15-1992 15:16:51

AIRCRAFT ID NUMBER	AIRCRAFT AND ENGINE NAMES	AIRCRAFT CATEGORY
082	C-130E/T56-A-7	PMIL

	DISTANCE FROM RW THRESHOLD (FT)	HEIGHT (FT)	SPEED (KTAS)	THRUST %	FLAPS
POINT 1	113533	6000	219	15.09	ZERO
POINT 2	56289	3000	171	13.49	ZERO
POINT 3	27668	1500	146	19.08	U INTR
POINT 4	18127	1000	135	24.94	D 35
POINT 5	-954	0	133	24.06	D 35
POINT 6	-1279	0	126	40.00	
POINT 7	-4203	0	30	10.00	

NUMBER OF ENGINES	RATED SHP	AIRCRAFT WEIGHT (LB)	GLIDE SLOPE	100% THRUST LB
4	4050	117000	3.00	7063

TAKEOFF SEGMENTS DATA (HEADWIND = 8 KT) 05-09-1991 14:56:19

AIRCRAFT ID NUMBER	AIRCRAFT AND ENGINE NAMES	AIRCRAFT CATEGORY
083	B747-200/JT9D-7A	JCOM

AIRCRAFT WEIGHT	STAGE NUMBER	NUMBER OF ENGINES
500000	2	4

SEG. NO.	TYPE	FLAP	START ALT (FT)	END ALT (FT)	CALIBRATED START SPEED (KCAS)	CALIBRATED END SPEED (KCAS)	SEG. LNGTH (FT)	THRST (LB)	R/C (FPM)	GRAD
1	TKOFF	10	0	0	16	149	4193	34877	0	0.00000
2	CLIMB	10	0	1000	149	149	5211	35099	2925	0.19191
3	ACCEL	10	1000	1904	149	179	7489	34928	1950	0.11548
4	ACCEL	INT	1904	2532	179	242	13150	28593	1000	0.04542
5	CLIMB	ZERO	2532	3000	242	242	3349	27763	3565	0.13963
6	ACCEL	ZERO	3000	3181	242	262	4603	27574	1000	0.03746
7	CLIMB	ZERO	3181	5500	262	262	17967	27844	3652	0.12905
8	CLIMB	ZERO	5500	7500	262	262	16503	28915	3545	0.12119
9	CLIMB	ZERO	7500	10000	262	262	22134	30032	3420	0.11295

SEG. NO.	TYPE	FLAP	THRUST TYPE	VALUE
1	TKOFF	10	MAX TKOFF	
2	CLIMB	10	MAX TKOFF	
3	ACCEL	10	MAX TKOFF	
4	ACCEL	INT	MAX CLIMB	
5	CLIMB	ZERO	MAX CLIMB	
6	ACCEL	ZERO	MAX CLIMB	
7	CLIMB	ZERO	MAX CLIMB	
8	CLIMB	ZERO	MAX CLIMB	
9	CLIMB	ZERO	MAX CLIMB	

TAKEOFF PROFILE DATA (HEADWIND = 8 KT) 05-09-1991 14:56:24

AIRCRAFT ID NUMBER	AIRCRAFT AND ENGINE NAMES	AIRCRAFT CATEGORY
083	B747-200/JT9D-7A	JCOM

	DISTANCE FROM BRAKE RELEASE (FT)	HEIGHT (FT)	SPEED (KTAS)	THRUST (LB)
POINT 1	0	0	16	40228
POINT 2	4193	0	149	34877
POINT 3	9404	1000	152	35321
POINT 4	16893	1904	184	34535
POINT 5	17893	1952	189	29540
POINT 6	30042	2532	251	27647
POINT 7	33392	3000	253	27879
POINT 8	37995	3181	275	27269
POINT 9	55962	5500	284	28419
POINT 10	72464	7500	293	29412
POINT 11	94598	10000	305	0

THRUST FOR LEVEL FLIGHT	GRADIENT AT TAKE-OFF POWER	TAKE-OFF THRUST	GRADIENT AT CLIMB POWER
11599	0.191909	35099	0.139009

CLIMB THRUST	GRADIENT AT FAR36 CUTBACK	THRUST FOR ENGINE-OUT LEVEL FLIGHT	VZF (KCAS)
30871	0.040401	15465	242

NUMBER OF ENGINES	RATED THRUST LB	AIRCRAFT WEIGHT (LB)	STAGE NUMBER
4	46300	500000	2

TAKEOFF SEGMENTS DATA (HEADWIND = 8 KT) 05-09-1991 14:58:25

AIRCRAFT ID NUMBER	AIRCRAFT AND ENGINE NAMES	AIRCRAFT CATEGORY
083	B747-200/JT9D-7A	JCOM

AIRCRAFT WEIGHT	STAGE NUMBER	NUMBER OF ENGINES
520000	3	4

SEG. NO.	TYPE	FLAP	START ALT (FT)	END ALT (FT)	CALIBRATED START SPEED (KCAS)	CALIBRATED END SPEED (KCAS)	SEG. LNGTH (FT)	THRST (LB)	R/C (FPM)	GRAD
1	TKOFF	10	0	0	16	152	4551	34758	0	0.00000
2	CLIMB	10	0	1000	152	152	5565	34980	2793	0.17968
3	ACCEL	10	1000	1928	152	182	8195	34813	1862	0.10820
4	ACCEL	INT	1928	2610	182	244	14455	28531	1000	0.04485
5	CLIMB	ZERO	2610	3000	244	244	2969	27712	3386	0.13148
6	ACCEL	ZERO	3000	3197	244	264	5030	27507	1000	0.03716
7	CLIMB	ZERO	3197	5500	264	264	18962	27778	3465	0.12147
8	CLIMB	ZERO	5500	7500	264	264	17544	28845	3360	0.11400
9	CLIMB	ZERO	7500	10000	264	264	23557	29962	3238	0.10613

SEG. NO.	TYPE	FLAP	THRUST TYPE	VALUE
1	TKOFF	10	MAX TKOFF	
2	CLIMB	10	MAX TKOFF	
3	ACCEL	10	MAX TKOFF	
4	ACCEL	INT	MAX CLIMB	
5	CLIMB	ZERO	MAX CLIMB	
6	ACCEL	ZERO	MAX CLIMB	
7	CLIMB	ZERO	MAX CLIMB	
8	CLIMB	ZERO	MAX CLIMB	
9	CLIMB	ZERO	MAX CLIMB	

TAKEOFF PROFILE DATA (HEADWIND = 8 KT) 05-09-1991 14:58:31

AIRCRAFT ID NUMBER	AIRCRAFT AND ENGINE NAMES	AIRCRAFT CATEGORY
083	B747-200/JT9D-7A	JCOM

	DISTANCE FROM BRAKE RELEASE (FT)	HEIGHT (FT)	SPEED (KTAS)	THRUST (LB)
POINT 1	0	0	16	40228
POINT 2	4551	0	152	34758
POINT 3	10116	1000	155	35202
POINT 4	18311	1928	187	34425
POINT 5	19311	1975	192	29447
POINT 6	32766	2610	254	27615
POINT 7	35735	3000	255	27809
POINT 8	40765	3197	277	27206
POINT 9	59727	5500	287	28349
POINT 10	77272	7500	295	29342
POINT 11	100829	10000	307	0

THRUST FOR LEVEL FLIGHT	GRADIENT AT TAKE-OFF POWER	TAKE-OFF THRUST	GRADIENT AT CLIMB POWER
12063	0.179683	34980	0.129257

CLIMB THRUST	GRADIENT AT FAR36 CUTBACK	THRUST FOR ENGINE OUT LEVEL FLIGHT	VZF (KCAS)
30768	0.040401	16083	244

NUMBER OF ENGINES	RATED THRUST LB	AIRCRAFT WEIGHT (LB)	STAGE NUMBER
4	46300	520000	3

TAKEOFF SEGMENTS DATA (HEADWIND = 8 KT) 05-09-1991 15:00:03

AIRCRAFT ID NUMBER	AIRCRAFT AND ENGINE NAMES	AIRCRAFT CATEGORY
083	B747-200/JT9D-7A	JCOM

AIRCRAFT WEIGHT	STAGE NUMBER	NUMBER OF ENGINES
560000	4	4

SEG. NO.	TYPE	FLAP	START ALT (FT)	END ALT (FT)	CALIBRATED START SPEED (KCAS)	CALIBRATED END SPEED (KCAS)	SEG. LNGTH (FT)	THRST (LB)	R/C (FPM)	GRAD
1	TKOFF	10	0	0	16	158	5313	34528	0	0.00000
2	CLIMB	10	0	1000	158	158	6325	34749	2550	0.15809
3	ACCEL	10	1000	1983	158	188	9845	34590	1700	0.09527
4	ACCEL	INT	1983	2495	188	248	14818	28341	750	0.03287
5	CLIMB	ZERO	2495	3000	248	248	4298	27543	3071	0.11742
6	ACCEL	ZERO	3000	3154	248	268	5322	27357	750	0.02744
7	CLIMB	ZERO	3154	5500	268	268	21704	27627	3129	0.10811
8	CLIMB	ZERO	5500	7500	268	268	19764	28705	3027	0.10119
9	CLIMB	ZERO	7500	10000	268	268	26603	29822	2911	0.09397

SEG. NO.	TYPE	FLAP	THRUST TYPE	VALUE
1	TKOFF	10	MAX TKOFF	
2	CLIMB	10	MAX TKOFF	
3	ACCEL	10	MAX TKOFF	
4	ACCEL	INT	MAX CLIMB	
5	CLIMB	ZERO	MAX CLIMB	
6	ACCEL	ZERO	MAX CLIMB	
7	CLIMB	ZERO	MAX CLIMB	
8	CLIMB	ZERO	MAX CLIMB	
9	CLIMB	ZERO	MAX CLIMB	

TAKEOFF PROFILE DATA (HEADWIND = 8 KT) 05-09-1991 15:02:01

AIRCRAFT ID NUMBER	AIRCRAFT AND ENGINE NAMES	AIRCRAFT CATEGORY
083	B747-200/JT9D-7A	JCOM

	DISTANCE FROM BRAKE RELEASE (FT)	HEIGHT (FT)	SPEED (KTAS)	THRUST (LB)
POINT 1	0	0	16	40228
POINT 2	6355	0	165	34251
POINT 3	13741	1000	167	34694
POINT 4	26008	2052	201	33959
POINT 5	27008	2086	204	29053
POINT 6	44921	2686	264	27303
POINT 7	48006	3000	266	27459
POINT 8	54556	3185	287	26850
POINT 9	79287	5500	297	27999
POINT 10	102163	7500	307	28992
POINT 11	133062	10000	319	0

THRUST FOR LEVEL FLIGHT	GRADIENT AT TAKE-OFF POWER	TAKE-OFF THRUST	GRADIENT AT CLIMB POWER
14150	0.135392	34472	0.093719

CLIMB THRUST	GRADIENT AT FAR36 CUTBACK	THRUST FOR ENGINE OUT LEVEL FLIGHT	VZF (KCAS)
30324	0.040401	18867	254

NUMBER OF ENGINES	RATED THRUST LB	AIRCRAFT WEIGHT (LB)	STAGE NUMBER
4	46300	610000	5

TAKEOFF SEGMENTS DATA (HEADWIND = 8 KT) 05-09-1991 15:03:25

AIRCRAFT ID NUMBER	AIRCRAFT AND ENGINE NAMES	AIRCRAFT CATEGORY
083	B747-200/JT9D-7A	JCOM

AIRCRAFT WEIGHT	STAGE NUMBER	NUMBER OF ENGINES
675000	6	4

SEG. NO.	TYPE	FLAP	START ALT (FT)	END ALT (FT)	CALIBRATED START SPEED (KCAS)	CALIBRATED END SPEED (KCAS)	SEG. LNGTH (FT)	THRST (LB)	R/C (FPM)	GRAD
1	TKOFF	10	0	0	16	174	7861	33907	0	0.00000
2	CLIMB	10	0	1000	174	174	8990	34129	1970	0.11124
3	ACCEL	10	1000	2161	174	204	16456	33998	1313	0.06720
4	ACCEL	INT	2161	3056	204	264	27941	27965	750	0.03044
5	ACCEL	ZERO	3056	3294	264	284	8758	26846	750	0.02580
6	CLIMB	ZERO	3294	5500	284	284	28428	27102	2383	0.07760
7	CLIMB	ZERO	5500	7500	284	284	27665	28145	2292	0.07229
8	CLIMB	ZERO	7500	10000	284	284	37565	29262	2184	0.06655

SEG. NO.	TYPE	FLAP	THRUST TYPE	VALUE
1	TKOFF	10	MAX TKOFF	
2	CLIMB	10	MAX TKOFF	
3	ACCEL	10	MAX TKOFF	
4	ACCEL	INT	MAX CLIMB	
5	ACCEL	ZERO	MAX CLIMB	
6	CLIMB	ZERO	MAX CLIMB	
7	CLIMB	ZERO	MAX CLIMB	
8	CLIMB	ZERO	MAX CLIMB	

TAKEOFF PROFILE DATA (HEADWIND = 8 KT) 05-09-1991 15:03:32

AIRCRAFT ID NUMBER	AIRCRAFT AND ENGINE NAMES	AIRCRAFT CATEGORY
083	B747-200/JT9D-7A	JCOM

	DISTANCE FROM BRAKE RELEASE (FT)	HEIGHT (FT)	SPEED (KTAS)	THRUST (LB)
POINT 1	0	0	16	40228
POINT 2	7861	0	174	33907
POINT 3	16851	1000	176	34350
POINT 4	33307	2161	211	33646
POINT 5	34307	2193	213	28792
POINT 6	61248	3056	276	27137
POINT 7	70006	3294	298	26555
POINT 8	98434	5500	308	27649
POINT 9	126099	7500	318	28642
POINT 10	163664	10000	330	0

THRUST FOR LEVEL FLIGHT	GRADIENT AT TAKE-OFF POWER	TAKE-OFF THRUST	GRADIENT AT CLIMB POWER
15658	0.111236	34129	0.074216

CLIMB THRUST	GRADIENT AT FAR36 CUTBACK	THRUST FOR ENGINE OUT LEVEL FLIGHT	VZF (KCAS)
30024	0.040401	20877	264

NUMBER OF ENGINES	RATED THRUST LB	AIRCRAFT WEIGHT (LB)	STAGE NUMBER
4	46300	675000	6

TAKEOFF SEGMENTS DATA (HEADWIND = 8 KT) 05-09-1991 15:05:00

AIRCRAFT ID NUMBER	AIRCRAFT AND ENGINE NAMES	AIRCRAFT CATEGORY
083	B747-200/JT9D-7A	JCOM

AIRCRAFT WEIGHT	STAGE NUMBER	NUMBER OF ENGINES
725000	7	4

SEG. NO.	TYPE	FLAP	START ALT (FT)	END ALT (FT)	CALIBRATED START SPEED (KCAS)	CALIBRATED END SPEED (KCAS)	SEG. LNGTH (FT)	THRST (LB)	R/C (FPM)	GRAD
1	TKOFF	10	0	0	16	180	9137	33654	0	0.00000
2	CLIMB	10	0	1000	180	180	10442	33875	1758	0.09577
3	ACCEL	10	1000	2234	180	210	20245	33767	1172	0.05802
4	ACCEL	INT	2234	3469	210	272	39863	27840	750	0.02944
5	ACCEL	ZERO	3469	3767	272	292	11383	26785	750	0.02490
6	CLIMB	ZERO	3767	5500	292	292	25947	26939	2116	0.06677
7	CLIMB	ZERO	5500	7500	292	292	32010	27865	2037	0.06248
8	CLIMB	ZERO	7500	10000	292	292	43675	28982	1932	0.05724

SEG. NO.	TYPE	FLAP	THRUST TYPE	VALUE
1	TKOFF	10	MAX TKOFF	
2	CLIMB	10	MAX TKOFF	
3	ACCEL	10	MAX TKOFF	
4	ACCEL	INT	MAX CLIMB	
5	ACCEL	ZERO	MAX CLIMB	
6	CLIMB	ZERO	MAX CLIMB	
7	CLIMB	ZERO	MAX CLIMB	
8	CLIMB	ZERO	MAX CLIMB	

TAKEOFF PROFILE DATA (HEADWIND = 8 KT) 05-09-1991 15:05:06

AIRCRAFT ID NUMBER	AIRCRAFT AND ENGINE NAMES	AIRCRAFT CATEGORY
083	B747-200/JT9D-7A	JCOM

	DISTANCE FROM BRAKE RELEASE (FT)	HEIGHT (FT)	SPEED (KTAS)	THRUST (LB)
POINT 1	0	0	16	40228
POINT 2	9137	0	180	33654
POINT 3	19579	1000	183	34097
POINT 4	39824	2234	217	33438
POINT 5	40824	2265	219	28619
POINT 6	79686	3469	286	27061
POINT 7	91069	3767	309	26509
POINT 8	117016	5500	317	27369
POINT 9	149026	7500	327	28362
POINT 10	192701	10000	340	0

THRUST FOR LEVEL FLIGHT	GRADIENT AT TAKE-OFF POWER	TAKE-OFF THRUST	GRADIENT AT CLIMB POWER
16818	0.095769	33875	0.061690

CLIMB THRUST	GRADIENT AT FAR36 CUTBACK	THRUST FOR ENGINE OUT LEVEL FLIGHT	VZF (KCAS)
29803	0.040401	22424	272

NUMBER OF ENGINES	RATED THRUST LB	AIRCRAFT WEIGHT (LB)	STAGE NUMBER
4	46300	725000	7

APPROACH PROFILE DATA (HEADWIND = 8 KT) 02-15-1992 12:30:27

AIRCRAFT ID NUMBER	AIRCRAFT AND ENGINE NAMES	AIRCRAFT CATEGORY
083	B747-200/JT9D-7A	JCOM

	DISTANCE FROM RW THRESHOLD (FT)	HEIGHT (FT)	SPEED (KTAS)	THRUST (LB)	FLAPS
POINT 1	113533	6000	273	701	ZERO
POINT 2	56289	3000	171	5431	10
POINT 3	27668	1500	153	9002	D 25
POINT 4	18127	1000	146	12235	D 30
POINT 5	-954	0	144	11800	D 30
POINT 6	-1417	0	136	27780	
POINT 7	-5580	0	30	4630	

NUMBER OF ENGINES	RATED THRUST LB	AIRCRAFT WEIGHT (LB)	GLIDE SLOPE
4	46300	507600	3.00

TAKEOFF SEGMENTS DATA (HEADWIND = 8 KT) 06-19-1991 12:22:04

AIRCRAFT ID NUMBER	AIRCRAFT AND ENGINE NAMES	AIRCRAFT CATEGORY
084	B747-400/PW4056	JCOM

AIRCRAFT WEIGHT	STAGE NUMBER	NUMBER OF ENGINES
571000	1	4

SEG. NO.	TYPE	FLAP	START ALT (FT)	END ALT (FT)	CALIBRATED START SPEED (KCAS)	CALIBRATED END SPEED (KCAS)	SEG. LNGTH (FT)	THRST (LB)	R/C (FPM)	GRAD
1	TKOFF	10	0	0	16	161	4084	44910	0	0.00000
2	CLIMB	10	0	1000	161	161	4217	45167	3903	0.23714
3	ACCEL	10	1000	2035	161	191	6895	44886	2602	0.14401
4	ACCEL	5	2035	2485	191	250	9891	35826	1000	0.04334
5	CLIMB	ZERO	2485	3000	250	250	3134	34917	4329	0.16419
6	ACCEL	ZERO	3000	3144	250	270	3777	34729	1000	0.03632
7	CLIMB	ZERO	3144	5500	270	270	15348	35210	4475	0.15349
8	CLIMB	ZERO	5500	7500	270	270	13719	36791	4394	0.14578
9	CLIMB	ZERO	7500	10000	270	270	18173	38425	4293	0.13757

SEG. NO.	TYPE	FLAP	THRUST TYPE	VALUE
1	TKOFF	10	MAX TKOFF	
2	CLIMB	10	MAX TKOFF	
3	ACCEL	10	MAX TKOFF	
4	ACCEL	5	MAX CLIMB	
5	CLIMB	ZERO	MAX CLIMB	
6	ACCEL	ZERO	MAX CLIMB	
7	CLIMB	ZERO	MAX CLIMB	
8	CLIMB	ZERO	MAX CLIMB	
9	CLIMB	ZERO	MAX CLIMB	

TAKEOFF PROFILE DATA (HEADWIND = 8 KT) 06-19-1991 12:22:11

AIRCRAFT ID NUMBER	AIRCRAFT AND ENGINE NAMES	AIRCRAFT CATEGORY
084	B747-400/PW4056	JCOM

	DISTANCE FROM BRAKE RELEASE (FT)	HEIGHT (FT)	SPEED (KTAS)	THRUST (LB)
POINT 1	0	0	16	52801
POINT 2	4084	0	161	44910
POINT 3	8301	1000	164	45425
POINT 4	15196	2035	197	44347
POINT 5	16196	2080	203	36922
POINT 6	25087	2485	259	34730
POINT 7	28221	3000	261	35104
POINT 8	31998	3144	283	34355
POINT 9	47346	5500	293	36065
POINT 10	61066	7500	302	37517
POINT 11	79239	10000	314	0

THRUST FOR LEVEL FLIGHT	GRADIENT AT TAKE-OFF POWER	TAKE-OFF THRUST	GRADIENT AT CLIMB POWER
12225	0.237138	45167	0.168089

CLIMB THRUST	GRADIENT AT FAR36 CUTBACK	THRUST FOR ENGINE OUT LEVEL FLIGHT	VZF (KCAS)
38527	0.040401	16300	250

NUMBER OF ENGINES	RATED THRUST LB	AIRCRAFT WEIGHT (LB)	STAGE NUMBER
4	56800	571000	1

TAKEOFF SEGMENTS DATA (HEADWIND = 8 KT) 06-19-1991 12:23:35

AIRCRAFT ID NUMBER	AIRCRAFT AND ENGINE NAMES	AIRCRAFT CATEGORY
084	B747-400/PW4056	JCOM

AIRCRAFT WEIGHT	STAGE NUMBER	NUMBER OF ENGINES
593000	2	4

SEG. NO.	TYPE	FLAP	START ALT (FT)	END ALT (FT)	CALIBRATED START SPEED (KCAS)	CALIBRATED END SPEED (KCAS)	SEG. LNGTH (FT)	THRST (LB)	R/C (FPM)	GRAD
1	TKOFF	10	0	0	16	164	4421	44743	0	0.00000
2	CLIMB	10	0	1000	164	164	4477	45000	3746	0.22335
3	ACCEL	10	1000	2052	164	194	7435	44725	2497	0.13568
4	ACCEL	5	2052	2532	194	252	10642	35743	1000	0.04283
5	CLIMB	ZERO	2532	3000	252	252	3012	34849	4134	0.15549
6	ACCEL	ZERO	3000	3154	252	272	4075	34648	1000	0.03604
7	CLIMB	ZERO	3154	5500	272	272	16141	35128	4269	0.14532
8	CLIMB	ZERO	5500	7500	272	272	14495	36706	4190	0.13798
9	CLIMB	ZERO	7500	10000	272	272	19212	38339	4091	0.13013

SEG. NO.	TYPE	FLAP	THRUST TYPE	VALUE
1	TKOFF	10	MAX TKOFF	
2	CLIMB	10	MAX TKOFF	
3	ACCEL	10	MAX TKOFF	
4	ACCEL	5	MAX CLIMB	
5	CLIMB	ZERO	MAX CLIMB	
6	ACCEL	ZERO	MAX CLIMB	
7	CLIMB	ZERO	MAX CLIMB	
8	CLIMB	ZERO	MAX CLIMB	
9	CLIMB	ZERO	MAX CLIMB	

TAKEOFF PROFILE DATA (HEADWIND = 8 KT) 06-19-1991 12:23:40

AIRCRAFT ID NUMBER	AIRCRAFT AND ENGINE NAMES	AIRCRAFT CATEGORY
084	B747-400/PW4056	JCOM

	DISTANCE FROM BRAKE RELEASE (FT)	HEIGHT (FT)	SPEED (KTAS)	THRUST (LB)
POINT 1	0	0	16	52801
POINT 2	4421	0	164	44743
POINT 3	8898	1000	167	45258
POINT 4	16333	2052	200	44193
POINT 5	17333	2097	206	36807
POINT 6	26976	2532	262	34679
POINT 7	29988	3000	263	35019
POINT 8	34063	3154	285	34277
POINT 9	50203	5500	295	35980
POINT 10	64698	7500	304	37432
POINT 11	83910	10000	317	0

THRUST FOR LEVEL FLIGHT	GRADIENT AT TAKE-OFF POWER	TAKE-OFF THRUST	GRADIENT AT CLIMB POWER
12696	0.223347	45000	0.157635

CLIMB THRUST	GRADIENT AT FAR36 CUTBACK	THRUST FOR ENGINE OUT LEVEL FLIGHT	VZF (KCAS)
38396	0.040401	16928	252

NUMBER OF ENGINES	RATED THRUST LB	AIRCRAFT WEIGHT (LB)	STAGE NUMBER
4	56800	593000	2

TAKEOFF SEGMENTS DATA (HEADWIND = 8 KT) 06-19-1991 12:25:01

AIRCRAFT ID NUMBER	AIRCRAFT AND ENGINE NAMES	AIRCRAFT CATEGORY
084	B747-400/PW4056	JCOM

AIRCRAFT WEIGHT	STAGE NUMBER	NUMBER OF ENGINES
614000	3	4

SEG. NO.	TYPE	FLAP	START ALT (FT)	END ALT (FT)	CALIBRATED START SPEED (KCAS)	CALIBRATED END SPEED (KCAS)	SEG. LNGTH (FT)	THRST (LB)	R/C (FPM)	GRAD
1	TKOFF	10	0	0	16	167	4756	44586	0	0.00000
2	CLIMB	10	0	1000	167	167	4734	44843	3605	0.21123
3	ACCEL	10	1000	2077	167	197	8041	44572	2403	0.12832
4	ACCEL	5	2077	2595	197	255	11647	35647	1000	0.04223
5	CLIMB	ZERO	2595	3000	255	255	2748	34743	3970	0.14751
6	ACCEL	ZERO	3000	3165	255	275	4402	34523	1000	0.03562
7	CLIMB	ZERO	3165	5500	275	275	16940	35004	4094	0.13784
8	CLIMB	ZERO	5500	7500	275	275	15286	36578	4017	0.13084
9	CLIMB	ZERO	7500	10000	275	275	20271	38211	3920	0.12333

SEG. NO.	TYPE	FLAP	THRUST TYPE	VALUE
1	TKOFF	10	MAX TKOFF	
2	CLIMB	10	MAX TKOFF	
3	ACCEL	10	MAX TKOFF	
4	ACCEL	5	MAX CLIMB	
5	CLIMB	ZERO	MAX CLIMB	
6	ACCEL	ZERO	MAX CLIMB	
7	CLIMB	ZERO	MAX CLIMB	
8	CLIMB	ZERO	MAX CLIMB	
9	CLIMB	ZERO	MAX CLIMB	

TAKEOFF PROFILE DATA (HEADWIND = 8 KT) 06-19-1991 12:25:05

AIRCRAFT ID NUMBER	AIRCRAFT AND ENGINE NAMES	AIRCRAFT CATEGORY
084	B747-400/PW4056	JCOM

	DISTANCE FROM BRAKE RELEASE (FT)	HEIGHT (FT)	SPEED (KTAS)	THRUST (LB)
POINT 1	0	0	16	52801
POINT 2	4756	0	167	44586
POINT 3	9490	1000	170	45101
POINT 4	17532	2077	203	44043
POINT 5	18532	2122	208	36697
POINT 6	29178	2595	265	34596
POINT 7	31927	3000	267	34891
POINT 8	36329	3165	288	34156
POINT 9	53269	5500	299	35852
POINT 10	68555	7500	308	37304
POINT 11	88826	10000	320	0

THRUST FOR LEVEL FLIGHT	GRADIENT AT TAKE-OFF POWER	TAKE-OFF THRUST	GRADIENT AT CLIMB POWER
13146	0.211225	44843	0.148411

CLIMB THRUST	GRADIENT AT FAR36 CUTBACK	THRUST FOR ENGINE OUT LEVEL FLIGHT	VZF (KCAS)
38273	0.040401	17528	255

NUMBER OF ENGINES	RATED THRUST LB	AIRCRAFT WEIGHT (LB)	STAGE NUMBER
4	56800	614000	3

TAKEOFF SEGMENTS DATA (HEADWIND = 8 KT) 06-19-1991 12:26:18

AIRCRAFT ID NUMBER	AIRCRAFT AND ENGINE NAMES	AIRCRAFT CATEGORY
084	B747-400/PW4056	JCOM

AIRCRAFT WEIGHT	STAGE NUMBER	NUMBER OF ENGINES
663000	4	4

SEG. NO.	TYPE	FLAP	START ALT (FT)	END ALT (FT)	CALIBRATED START SPEED (KCAS)	CALIBRATED END SPEED (KCAS)	SEG. LNGTH (FT)	THRST (LB)	R/C (FPM)	GRAD
1	TKOFF	10	0	0	16	174	5590	44230	0	0.00000
2	CLIMB	10	0	1000	174	174	5369	44488	3304	0.18627
3	ACCEL	10	1000	2149	174	204	9704	44222	2203	0.11315
4	ACCEL	5	2149	2558	204	262	12672	35360	750	0.03070
5	CLIMB	ZERO	2558	3000	262	262	3370	34431	3627	0.13119
6	ACCEL	ZERO	3000	3131	262	282	4774	34212	750	0.02603
7	CLIMB	ZERO	3131	5500	282	282	19359	34693	3727	0.12238
8	CLIMB	ZERO	5500	7500	282	282	17241	36279	3652	0.11600
9	CLIMB	ZERO	7500	10000	282	282	22894	37912	3559	0.10920

SEG. NO.	TYPE	FLAP	THRUST TYPE	VALUE
1	TKOFF	10	MAX TKOFF	
2	CLIMB	10	MAX TKOFF	
3	ACCEL	10	MAX TKOFF	
4	ACCEL	5	MAX CLIMB	
5	CLIMB	ZERO	MAX CLIMB	
6	ACCEL	ZERO	MAX CLIMB	
7	CLIMB	ZERO	MAX CLIMB	
8	CLIMB	ZERO	MAX CLIMB	
9	CLIMB	ZERO	MAX CLIMB	

TAKEOFF PROFILE DATA (HEADWIND = 8 KT) 06-19-1991 12:26:22

AIRCRAFT ID NUMBER	AIRCRAFT AND ENGINE NAMES	AIRCRAFT CATEGORY
084	B747-400/PW4056	JCOM

	DISTANCE FROM BRAKE RELEASE (FT)	HEIGHT (FT)	SPEED (KTAS)	THRUST (LB)
POINT 1	0	0	16	52801
POINT 2	5590	0	174	44230
POINT 3	10959	1000	176	44745
POINT 4	20663	2149	211	43699
POINT 5	21663	2181	215	36450
POINT 6	33335	2558	272	34271
POINT 7	36705	3000	274	34592
POINT 8	41479	3131	295	33833
POINT 9	60838	5500	306	35553
POINT 10	78079	7500	316	37005
POINT 11	100973	10000	328	0

THRUST FOR LEVEL FLIGHT	GRADIENT AT TAKE-OFF POWER	TAKE-OFF THRUST	GRADIENT AT CLIMB POWER
14195	0.186270	44488	0.129323

CLIMB THRUST	GRADIENT AT FAR36 CUTBACK	THRUST FOR ENGINE OUT LEVEL FLIGHT	VZF (KCAS)
37993	0.040401	18926	262

NUMBER OF ENGINES	RATED THRUST LB	AIRCRAFT WEIGHT (LB)	STAGE NUMBER
4	56800	663000	4

TAKEOFF SEGMENTS DATA (HEADWIND = 8 KT) 06-19-1991 12:28:01

AIRCRAFT ID NUMBER	AIRCRAFT AND ENGINE NAMES	AIRCRAFT CATEGORY
084	B747-400/PW4056	JCOM

AIRCRAFT WEIGHT	STAGE NUMBER	NUMBER OF ENGINES
723000	5	4

SEG. NO.	TYPE	FLAP	START ALT (FT)	END ALT (FT)	CALIBRATED START SPEED (KCAS)	CALIBRATED END SPEED (KCAS)	SEG. LNGTH (FT)	THRST (LB)	R/C (FPM)	GRAD
1	TKOFF	10	0	0	16	182	6711	43813	0	0.00000
2	CLIMB	10	0	1000	182	182	6220	44070	2978	0.16077
3	ACCEL	10	1000	2232	182	212	12039	43818	1985	0.09767
4	ACCEL	5	2232	2741	212	271	16383	35094	750	0.02956
5	CLIMB	ZERO	2741	3000	271	271	2269	34113	3263	0.11396
6	ACCEL	ZERO	3000	3155	271	291	5855	33837	750	0.02519
7	CLIMB	ZERO	3155	5500	291	291	22073	34317	3339	0.10623
8	CLIMB	ZERO	5500	7500	291	291	19885	35894	3267	0.10058
9	CLIMB	ZERO	7500	10000	291	291	26454	37528	3178	0.09450

SEG. NO.	TYPE	FLAP	THRUST TYPE	VALUE
1	TKOFF	10	MAX TKOFF	
2	CLIMB	10	MAX TKOFF	
3	ACCEL	10	MAX TKOFF	
4	ACCEL	5	MAX CLIMB	
5	CLIMB	ZERO	MAX CLIMB	
6	ACCEL	ZERO	MAX CLIMB	
7	CLIMB	ZERO	MAX CLIMB	
8	CLIMB	ZERO	MAX CLIMB	
9	CLIMB	ZERO	MAX CLIMB	

TAKEOFF PROFILE DATA (HEADWIND = 8 KT) 06-19-1991 12:28:05

AIRCRAFT ID NUMBER	AIRCRAFT AND ENGINE NAMES	AIRCRAFT CATEGORY
084	B747-400/PW4056	JCOM

	DISTANCE FROM BRAKE RELEASE (FT)	HEIGHT (FT)	SPEED (KTAS)	THRUST (LB)
POINT 1	0	0	16	52801
POINT 2	6711	0	182	43813
POINT 3	12931	1000	184	44328
POINT 4	24970	2232	219	43308
POINT 5	25970	2263	223	36169
POINT 6	41354	2741	282	34020
POINT 7	43623	3000	283	34207
POINT 8	49477	3155	305	33466
POINT 9	71551	5500	316	35168
POINT 10	91435	7500	326	36620
POINT 11	117889	10000	339	0

THRUST FOR LEVEL FLIGHT	GRADIENT AT TAKE-OFF POWER	TAKE-OFF THRUST	GRADIENT AT CLIMB POWER
15479	0.160771	44070	0.109690

CLIMB THRUST	GRADIENT AT FAR36 CUTBACK	THRUST FOR ENGINE OUT LEVEL FLIGHT	VZF (KCAS)
37664	0.040401	20639	271

NUMBER OF ENGINES	RATED THRUST LB	AIRCRAFT WEIGHT (LB)	STAGE NUMBER
4	56800	723000	5

TAKEOFF SEGMENTS DATA (HEADWIND = 8 KT) 06-19-1991 12:30:17

AIRCRAFT ID NUMBER	AIRCRAFT AND ENGINE NAMES	AIRCRAFT CATEGORY
084	B747-400/PW4056	JCOM

AIRCRAFT WEIGHT	STAGE NUMBER	NUMBER OF ENGINES
788000	6	4

SEG. NO.	TYPE	FLAP	START ALT (FT)	END ALT (FT)	CALIBRATED START SPEED (KCAS)	CALIBRATED END SPEED (KCAS)	SEG. LNGTH (FT)	THRST (LB)	R/C (FPM)	GRAD
1	TKOFF	10	0	0	16	190	8052	43379	0	0.00000
2	CLIMB	10	0	1000	190	190	7252	43636	2666	0.13789
3	ACCEL	10	1000	2319	190	220	14998	43406	1777	0.08386
4	ACCEL	5	2319	2980	220	281	22086	34828	750	0.02843
5	CLIMB	ZERO	2980	3000	281	281	205	33773	2922	0.09825
6	ACCEL	ZERO	3000	3187	281	301	7306	33421	750	0.02432
7	CLIMB	ZERO	3187	5500	301	301	25271	33902	2976	0.09153
8	CLIMB	ZERO	5500	7500	301	301	23110	35467	2908	0.08654
9	CLIMB	ZERO	7500	10000	301	301	30818	37101	2822	0.08112

SEG. NO.	TYPE	FLAP	THRUST TYPE	VALUE
1	TKOFF	10	MAX TKOFF	
2	CLIMB	10	MAX TKOFF	
3	ACCEL	10	MAX TKOFF	
4	ACCEL	5	MAX CLIMB	
5	CLIMB	ZERO	MAX CLIMB	
6	ACCEL	ZERO	MAX CLIMB	
7	CLIMB	ZERO	MAX CLIMB	
8	CLIMB	ZERO	MAX CLIMB	
9	CLIMB	ZERO	MAX CLIMB	

TAKEOFF PROFILE DATA (HEADWIND = 8 KT) 06-19-1991 12:30:22

AIRCRAFT ID NUMBER	AIRCRAFT AND ENGINE NAMES	AIRCRAFT CATEGORY
084	B747-400/PW4056	JCOM

	DISTANCE FROM BRAKE RELEASE (FT)	HEIGHT (FT)	SPEED (KTAS)	THRUST (LB)
POINT 1	0	0	16	52801
POINT 2	8052	0	190	43379
POINT 3	15304	1000	192	43894
POINT 4	30302	2319	228	42918
POINT 5	31302	2349	231	35891
POINT 6	52388	2980	294	33766
POINT 7	52593	3000	294	33780
POINT 8	59899	3187	316	33062
POINT 9	85170	5500	327	34741
POINT 10	108280	7500	337	36193
POINT 11	139098	10000	350	0

THRUST FOR LEVEL FLIGHT	GRADIENT AT TAKE-OFF POWER	TAKE-OFF THRUST	GRADIENT AT CLIMB POWER
16871	0.137892	43636	0.091976

CLIMB THRUST	GRADIENT AT FAR36 CUTBACK	THRUST FOR ENGINE OUT LEVEL FLIGHT	VZF (KCAS)
37323	0.040401	22495	281

NUMBER OF ENGINES	RATED THRUST LB	AIRCRAFT WEIGHT (LB)	STAGE NUMBER
4	56800	788000	6

TAKEOFF SEGMENTS DATA (HEADWIND = 8 KT) 06-19-1991 12:32:02

AIRCRAFT ID NUMBER	AIRCRAFT AND ENGINE NAMES	AIRCRAFT CATEGORY
084	B747-400/PW4056	JCOM

AIRCRAFT WEIGHT	STAGE NUMBER	NUMBER OF ENGINES
843000	7	4

SEG. NO.	TYPE	FLAP	START ALT (FT)	END ALT (FT)	CALIBRATED START SPEED (KCAS)	CALIBRATED END SPEED (KCAS)	SEG. LNGTH (FT)	THRST (LB)	R/C (FPM)	GRAD
1	TKOFF	10	0	0	16	196	9291	43026	0	0.00000
2	CLIMB	10	0	1000	196	196	8231	43283	2430	0.12149
3	ACCEL	10	1000	2380	196	226	17740	43082	1620	0.07409
4	ACCEL	5	2380	3228	226	290	29289	34620	750	0.02753
5	ACCEL	ZERO	3228	3450	290	310	8971	33215	750	0.02350
6	CLIMB	ZERO	3450	5500	310	310	25442	33613	2704	0.08057
7	CLIMB	ZERO	5500	7500	310	310	26210	35083	2641	0.07631
8	CLIMB	ZERO	7500	10000	310	310	35032	36717	2557	0.07136

SEG. NO.	TYPE	FLAP	THRUST TYPE	VALUE
1	TKOFF	10	MAX TKOFF	
2	CLIMB	10	MAX TKOFF	
3	ACCEL	10	MAX TKOFF	
4	ACCEL	5	MAX CLIMB	
5	ACCEL	ZERO	MAX CLIMB	
6	CLIMB	ZERO	MAX CLIMB	
7	CLIMB	ZERO	MAX CLIMB	
8	CLIMB	ZERO	MAX CLIMB	

TAKEOFF PROFILE DATA (HEADWIND = 8 KT) 06-19-1991 12:32:07

AIRCRAFT ID NUMBER	AIRCRAFT AND ENGINE NAMES	AIRCRAFT CATEGORY
084	B747-400/PW4056	JCOM

	DISTANCE FROM BRAKE RELEASE (FT)	HEIGHT (FT)	SPEED (KTAS)	THRUST (LB)
POINT 1	0	0	16	52801
POINT 2	9291	0	196	43026
POINT 3	17522	1000	199	43541
POINT 4	35262	2380	234	42624
POINT 5	36262	2409	236	35679
POINT 6	64551	3228	304	33562
POINT 7	73522	3450	326	32869
POINT 8	98964	5500	337	34357
POINT 9	125175	7500	347	35809
POINT 10	160207	10000	361	0

THRUST FOR LEVEL FLIGHT	GRADIENT AT TAKE-OFF POWER	TAKE-OFF THRUST	GRADIENT AT CLIMB POWER
18049	0.121489	43283	0.079223

CLIMB THRUST	GRADIENT AT FAR36 CUTBACK	THRUST FOR ENGINE OUT LEVEL FLIGHT	VZF (KCAS)
37046	0.040401	24065	290

NUMBER OF ENGINES	RATED THRUST LB	AIRCRAFT WEIGHT (LB)	STAGE NUMBER
4	56800	843000	7

APPROACH PROFILE DATA (HEADWIND = 8 KT) 02-15-1992 12:37:32

AIRCRAFT ID NUMBER	AIRCRAFT AND ENGINE NAMES	AIRCRAFT CATEGORY
084	B747-400/PW4056	JCOM

	DISTANCE FROM RW THRESHOLD (FT)	HEIGHT (FT)	SPEED (KTAS)	THRUST (LB)	FLAPS
POINT 1	113533	6000	273	2793	5
POINT 2	56289	3000	183	4980	10
POINT 3	27668	1500	165	9921	D 25
POINT 4	18127	1000	158	13255	D 30
POINT 5	-954	0	155	12784	D 30
POINT 6	-1488	0	147	34080	
POINT 7	-6290	0	30	5680	

NUMBER OF ENGINES	RATED THRUST LB	AIRCRAFT WEIGHT (LB)	GLIDE SLOPE
4	56800	567000	3.00

TAKEOFF SEGMENTS DATA (HEADWIND = 8 KT) 06-20-1991 09:36:20

AIRCRAFT ID NUMBER	AIRCRAFT AND ENGINE NAMES	AIRCRAFT CATEGORY
085	B737-400/CFM56-3C-1	JCOM

AIRCRAFT WEIGHT	STAGE NUMBER	NUMBER OF ENGINES
107000	1	2

SEG. NO.	TYPE	FLAP	START ALT (FT)	END ALT (FT)	CALIBRATED START SPEED (KCAS)	CALIBRATED END SPEED (KCAS)	SEG. LNGTH (FT)	THRST (LB)	R/C (FPM)	GRAD
1	TKOFF	5	0	0	16	158	3657	18316	0	0.00000
2	CLIMB	5	0	1000	158	158	3697	18430	4364	0.27050
3	ACCEL	5	1000	1325	158	178	2451	18374	2182	0.12703
4	ACCEL	1	1325	1505	178	190	1488	18099	2182	0.11545
5	ACCEL	ZERO	1505	1607	190	210	2003	16389	1000	0.04831
6	CLIMB	ZERO	1607	3000	210	210	6568	16363	4668	0.21217
7	ACCEL	ZERO	3000	3225	210	250	5213	16168	1000	0.04103
8	CLIMB	ZERO	3225	5500	250	250	12193	16065	5041	0.18658
9	CLIMB	ZERO	5500	7500	250	250	11534	16510	4839	0.17339
10	CLIMB	ZERO	7500	10000	250	250	15634	16978	4620	0.15991

SEG. NO.	TYPE	FLAP	THRUST TYPE	VALUE
1	TKOFF	5	MAX TKOFF	
2	CLIMB	5	MAX TKOFF	
3	ACCEL	5	MAX TKOFF	
4	ACCEL	1	MAX TKOFF	
5	ACCEL	ZERO	MAX CLIMB	
6	CLIMB	ZERO	MAX CLIMB	
7	ACCEL	ZERO	MAX CLIMB	
8	CLIMB	ZERO	MAX CLIMB	
9	CLIMB	ZERO	MAX CLIMB	
10	CLIMB	ZERO	MAX CLIMB	

TAKEOFF PROFILE DATA (HEADWIND = 8 KT) 06-20-1991 09:36:25

AIRCRAFT ID NUMBER	AIRCRAFT AND ENGINE NAMES	AIRCRAFT CATEGORY
085	B737-400/CFM56-3C-1	JCOM

	DISTANCE FROM BRAKE RELEASE (FT)	HEIGHT (FT)	SPEED (KTAS)	THRUST (LB)
POINT 1	0	0	16	21277
POINT 2	3657	0	158	18316
POINT 3	7354	1000	160	18544
POINT 4	9804	1325	181	18204
POINT 5	11292	1505	194	17994
POINT 6	12292	1556	205	16559
POINT 7	13296	1607	215	16218
POINT 8	19864	3000	220	16508
POINT 9	25076	3225	262	15828
POINT 10	37269	5500	271	16302
POINT 11	48804	7500	280	16718
POINT 12	64438	10000	291	0

THRUST FOR LEVEL FLIGHT	GRADIENT AT TAKE-OFF POWER	TAKE-OFF THRUST	GRADIENT AT CLIMB POWER
4443	0.270499	18430	0.223775

CLIMB THRUST	GRADIENT AT FAR36 CUTBACK	THRUST FOR ENGINE OUT LEVEL FLIGHT	VZF (KCAS)
17345	0.077607	8885	210

NUMBER OF ENGINES	RATED THRUST LB	AIRCRAFT WEIGHT (LB)	STAGE NUMBER
2	23500	107000	1

TAKEOFF SEGMENTS DATA (HEADWIND = 8 KT) 06-20-1991 09:37:31

AIRCRAFT ID NUMBER	AIRCRAFT AND ENGINE NAMES	AIRCRAFT CATEGORY
085	B737-400/CFM56-3C-1	JCOM

AIRCRAFT WEIGHT	STAGE NUMBER	NUMBER OF ENGINES
115000	2	2

SEG. NO.	TYPE	FLAP	START ALT (FT)	END ALT (FT)	CALIBRATED START SPEED (KCAS)	CALIBRATED END SPEED (KCAS)	SEG. LNGTH (FT)	THRST (LB)	R/C (FPM)	GRAD
1	TKOFF	5	0	0	16	164	4252	18195	0	0.00000
2	CLIMB	5	0	1000	164	164	4131	18309	4048	0.24205
3	ACCEL	5	1000	1338	164	184	2843	18252	2024	0.11365
4	ACCEL	1	1338	1430	184	190	839	18030	2024	0.10531
5	ACCEL	ZERO	1430	1545	190	210	2252	16374	1000	0.04836
6	CLIMB	ZERO	1545	3000	210	210	7554	16356	4236	0.19262
7	ACCEL	ZERO	3000	3254	210	250	5898	16171	1000	0.04102
8	CLIMB	ZERO	3254	5500	250	250	13304	16068	4561	0.16878
9	CLIMB	ZERO	5500	7500	250	250	12763	16510	4373	0.15670
10	CLIMB	ZERO	7500	10000	250	250	17332	16978	4168	0.14424

SEG. NO.	TYPE	FLAP	THRUST TYPE	VALUE
1	TKOFF	5	MAX TKOFF	
2	CLIMB	5	MAX TKOFF	
3	ACCEL	5	MAX TKOFF	
4	ACCEL	1	MAX TKOFF	
5	ACCEL	ZERO	MAX CLIMB	
6	CLIMB	ZERO	MAX CLIMB	
7	ACCEL	ZERO	MAX CLIMB	
8	CLIMB	ZERO	MAX CLIMB	
9	CLIMB	ZERO	MAX CLIMB	
10	CLIMB	ZERO	MAX CLIMB	

TAKEOFF PROFILE DATA (HEADWIND = 8 KT) 06-20-1991 09:37:35

AIRCRAFT ID NUMBER	AIRCRAFT AND ENGINE NAMES	AIRCRAFT CATEGORY
085	B737-400/CFM56-3C-1	JCOM

	DISTANCE FROM BRAKE RELEASE (FT)	HEIGHT (FT)	SPEED (KTAS)	THRUST (LB)
POINT 1	0	0	16	21277
POINT 2	4252	0	164	18195
POINT 3	8383	1000	166	18423
POINT 4	11226	1338	188	18082
POINT 5	12065	1430	194	17978
POINT 6	13065	1481	203	16544
POINT 7	14317	1545	215	16205
POINT 8	21871	3000	220	16508
POINT 9	27769	3254	262	15834
POINT 10	41074	5500	271	16302
POINT 11	53837	7500	280	16718
POINT 12	71169	10000	291	0

THRUST FOR LEVEL FLIGHT	GRADIENT AT TAKE-OFF POWER	TAKE-OFF THRUST	GRADIENT AT CLIMB POWER
4775	0.242052	18309	0.199757

CLIMB THRUST	GRADIENT AT FAR36 CUTBACK	THRUST FOR ENGINE OUT LEVEL FLIGHT	VZF (KCAS)
17240	0.077607	9549	210

NUMBER OF ENGINES	RATED THRUST LB	AIRCRAFT WEIGHT (LB)	STAGE NUMBER
2	23500	115000	2

TAKEOFF SEGMENTS DATA (HEADWIND = 8 KT) 06-20-1991 09:38:47

AIRCRAFT ID NUMBER	AIRCRAFT AND ENGINE NAMES	AIRCRAFT CATEGORY
085	B737-400/CFM56-3C-1	JCOM

AIRCRAFT WEIGHT	STAGE NUMBER	NUMBER OF ENGINES
121000	3	2

SEG. NO.	TYPE	FLAP	START ALT (FT)	END ALT (FT)	CALIBRATED START SPEED (KCAS)	CALIBRATED END SPEED (KCAS)	SEG. LNGTH (FT)	THRST (LB)	R/C (FPM)	GRAD
1	TKOFF	5	0	0	16	168	4730	18107	0	0.00000
2	CLIMB	5	0	1000	168	168	4474	18221	3835	0.22354
3	ACCEL	5	1000	1342	168	188	3108	18167	1918	0.10511
4	ACCEL	1	1342	1374	188	190	305	17982	1918	0.09871
5	ACCEL	ZERO	1374	1562	190	220	3791	16280	1000	0.04719
6	CLIMB	ZERO	1562	3000	220	220	8134	16176	4075	0.17684
7	ACCEL	ZERO	3000	3209	220	250	4959	16076	1000	0.04016
8	CLIMB	ZERO	3209	5500	250	250	14567	16063	4247	0.15724
9	CLIMB	ZERO	5500	7500	250	250	13727	16510	4066	0.14570
10	CLIMB	ZERO	7500	10000	250	250	18669	16978	3869	0.13391

SEG. NO.	TYPE	FLAP	THRUST TYPE	VALUE
1	TKOFF	5	MAX TKOFF	
2	CLIMB	5	MAX TKOFF	
3	ACCEL	5	MAX TKOFF	
4	ACCEL	1	MAX TKOFF	
5	ACCEL	ZERO	MAX CLIMB	
6	CLIMB	ZERO	MAX CLIMB	
7	ACCEL	ZERO	MAX CLIMB	
8	CLIMB	ZERO	MAX CLIMB	
9	CLIMB	ZERO	MAX CLIMB	
10	CLIMB	ZERO	MAX CLIMB	

TAKEOFF PROFILE DATA (HEADWIND = 8 KT) 06-20-1991 09:38:51

AIRCRAFT ID NUMBER	AIRCRAFT AND ENGINE NAMES	AIRCRAFT CATEGORY
085	B737-400/CFM56-3C-1	JCOM

	DISTANCE FROM BRAKE RELEASE (FT)	HEIGHT (FT)	SPEED (KTAS)	THRUST (LB)
POINT 1	0	0	16	21277
POINT 2	4730	0	168	18107
POINT 3	9204	1000	171	18335
POINT 4	12312	1342	192	17999
POINT 5	12617	1374	194	17965
POINT 6	13617	1423	202	16532
POINT 7	16408	1562	225	16027
POINT 8	24541	3000	230	16326
POINT 9	29501	3209	262	15825
POINT 10	44067	5500	271	16302
POINT 11	57794	7500	280	16718
POINT 12	76463	10000	291	0

THRUST FOR LEVEL FLIGHT	GRADIENT AT TAKE-OFF POWER	TAKE-OFF THRUST	GRADIENT AT CLIMB POWER
5024	0.223538	18221	0.184049

CLIMB THRUST	GRADIENT AT FAR36 CUTBACK	THRUST FOR ENGINE OUT LEVEL FLIGHT	VZF (KCAS)
17163	0.077607	10048	220

NUMBER OF ENGINES	RATED THRUST LB	AIRCRAFT WEIGHT (LB)	STAGE NUMBER
2	23500	121000	3

TAKEOFF SEGMENTS DATA (HEADWIND = 8 KT) 06-20-1991 09:40:18

AIRCRAFT ID NUMBER	AIRCRAFT AND ENGINE NAMES	AIRCRAFT CATEGORY
085	B737-400/CFM56-3C-1	JCOM

AIRCRAFT WEIGHT	STAGE NUMBER	NUMBER OF ENGINES
133000	4	2

SEG. NO.	TYPE	FLAP	START ALT (FT)	END ALT (FT)	CALIBRATED START SPEED (KCAS)	CALIBRATED END SPEED (KCAS)	SEG. LNGTH (FT)	THRST (LB)	R/C (FPM)	GRAD
1	TKOFF	5	0	0	16	176	5769	17938	0	0.00000
2	CLIMB	5	0	1000	176	176	5205	18052	3455	0.19212
3	ACCEL	5	1000	1355	176	196	3746	18000	1728	0.09045
4	ACCEL	ZERO	1355	1535	196	220	3668	16220	1000	0.04652
5	CLIMB	ZERO	1535	3000	220	220	9457	16174	3570	0.15494
6	ACCEL	ZERO	3000	3251	220	250	5936	16080	1000	0.04015
7	CLIMB	ZERO	3251	5500	250	250	16405	16068	3705	0.13711
8	CLIMB	ZERO	5500	7500	250	250	15774	16510	3538	0.12679
9	CLIMB	ZERO	7500	10000	250	250	21525	16978	3356	0.11615

SEG. NO.	TYPE	FLAP	THRUST TYPE	VALUE
1	TKOFF	5	MAX TKOFF	
2	CLIMB	5	MAX TKOFF	
3	ACCEL	5	MAX TKOFF	
4	ACCEL	ZERO	MAX CLIMB	
5	CLIMB	ZERO	MAX CLIMB	
6	ACCEL	ZERO	MAX CLIMB	
7	CLIMB	ZERO	MAX CLIMB	
8	CLIMB	ZERO	MAX CLIMB	
9	CLIMB	ZERO	MAX CLIMB	

TAKEOFF PROFILE DATA (HEADWIND = 8 KT) 06-20-1991 09:40:21

AIRCRAFT ID NUMBER	AIRCRAFT AND ENGINE NAMES	AIRCRAFT CATEGORY
085	B737-400/CFM56-3C-1	JCOM

	DISTANCE FROM BRAKE RELEASE (FT)	HEIGHT (FT)	SPEED (KTAS)	THRUST (LB)
POINT 1	0	0	16	21277
POINT 2	5769	0	176	17938
POINT 3	10974	1000	179	18165
POINT 4	14720	1355	200	17836
POINT 5	15720	1404	207	16419
POINT 6	18388	1535	225	16021
POINT 7	27846	3000	230	16326
POINT 8	33782	3251	262	15834
POINT 9	50187	5500	271	16302
POINT 10	65961	7500	280	16718
POINT 11	87486	10000	291	0

THRUST FOR LEVEL FLIGHT	GRADIENT AT TAKE-OFF POWER	TAKE-OFF THRUST	GRADIENT AT CLIMB POWER
5522	0.192120	18052	0.157266

CLIMB THRUST	GRADIENT AT FAR36 CUTBACK	THRUST FOR ENGINE OUT LEVEL FLIGHT	VZF (KCAS)
17015	0.077607	11044	220

NUMBER OF ENGINES	RATED THRUST LB	AIRCRAFT WEIGHT (LB)	STAGE NUMBER
2	23500	133000	4

APPROACH PROFILE DATA (HEADWIND = 8 KT) 02-15-1992 12:56:13

AIRCRAFT ID NUMBER	AIRCRAFT AND ENGINE NAMES	AIRCRAFT CATEGORY
085	B737-400/CFM56-3C-1	JCOM

	DISTANCE FROM RW THRESHOLD (FT)	HEIGHT (FT)	SPEED (KTAS)	THRUST (LB)	FLAPS
POINT 1	113533	6000	273	835	ZERO
POINT 2	56289	3000	178	1805	5
POINT 3	27668	1500	163	3363	D 15
POINT 4	18127	1000	147	4298	D 30
POINT 5	-954	0	145	4145	D 30
POINT 6	-1314	0	137	14100	
POINT 7	-4556	0	30	2350	

NUMBER OF ENGINES	RATED THRUST LB	AIRCRAFT WEIGHT (LB)	GLIDE SLOPE
2	23500	111600	3.00

TAKEOFF SEGMENTS DATA (HEADWIND = 8 KT) 06-20-1991 09:43:59

AIRCRAFT ID NUMBER	AIRCRAFT AND ENGINE NAMES	AIRCRAFT CATEGORY
086	B737-500/CFM56-3B-1	JCOM

AIRCRAFT WEIGHT	STAGE NUMBER	NUMBER OF ENGINES
98000	1	2

SEG. NO.	TYPE	FLAP	START ALT (FT)	END ALT (FT)	CALIBRATED START SPEED (KCAS)	CALIBRATED END SPEED (KCAS)	SEG. LNGTH (FT)	THRST (LB)	R/C (FPM)	GRAD
1	TKOFF	5	0	0	16	149	3569	15740	0	0.00000
2	CLIMB	5	0	1000	149	149	4016	15942	3794	0.24901
3	ACCEL	5	1000	1292	149	169	2399	16006	1897	0.11649
4	ACCEL	1	1292	1573	169	190	2613	15713	1897	0.10271
5	ACCEL	ZERO	1573	1684	190	210	2192	14238	1000	0.04826
6	CLIMB	ZERO	1684	3000	210	210	6671	14175	4342	0.19722
7	ACCEL	ZERO	3000	3248	210	250	5740	13951	1000	0.04102
8	CLIMB	ZERO	3248	5500	250	250	13138	13799	4632	0.17144
9	CLIMB	ZERO	5500	7500	250	250	12622	14130	4422	0.15845
10	CLIMB	ZERO	7500	10000	250	250	17216	14480	4196	0.14521

SEG. NO.	TYPE	FLAP	THRUST TYPE	VALUE
1	TKOFF	5	MAX TKOFF	
2	CLIMB	5	MAX TKOFF	
3	ACCEL	5	MAX TKOFF	
4	ACCEL	1	MAX TKOFF	
5	ACCEL	ZERO	MAX CLIMB	
6	CLIMB	ZERO	MAX CLIMB	
7	ACCEL	ZERO	MAX CLIMB	
8	CLIMB	ZERO	MAX CLIMB	
9	CLIMB	ZERO	MAX CLIMB	
10	CLIMB	ZERO	MAX CLIMB	

TAKEOFF PROFILE DATA (HEADWIND = 8 KT) 06-20-1991 09:44:06

AIRCRAFT ID NUMBER	AIRCRAFT AND ENGINE NAMES	AIRCRAFT CATEGORY
086	B737-500/CFM56-3B-1	JCOM

	DISTANCE FROM BRAKE RELEASE (FT)	HEIGHT (FT)	SPEED (KTAS)	THRUST (LB)
POINT 1	0	0	16	18423
POINT 2	3569	0	149	15740
POINT 3	7585	1000	152	16144
POINT 4	9984	1292	172	15867
POINT 5	12597	1573	194	15558
POINT 6	13597	1624	204	14402
POINT 7	14789	1684	215	14073
POINT 8	21460	3000	220	14278
POINT 9	27200	3248	262	13624
POINT 10	40338	5500	271	13974
POINT 11	52960	7500	280	14286
POINT 12	70177	10000	291	0

THRUST FOR LEVEL FLIGHT	GRADIENT AT TAKE-OFF POWER	TAKE-OFF THRUST	GRADIENT AT CLIMB POWER
4094	0.249006	15942	0.210414

CLIMB THRUST	GRADIENT AT FAR36 CUTBACK	THRUST FOR ENGINE OUT LEVEL FLIGHT	VZF (KCAS)
15250	0.078096	8189	210

NUMBER OF ENGINES	RATED THRUST LB	AIRCRAFT WEIGHT (LB)	STAGE NUMBER
2	20000	98000	1

TAKEOFF SEGMENTS DATA (HEADWIND = 8 KT) 06-20-1991 09:45:21

AIRCRAFT ID NUMBER	AIRCRAFT AND ENGINE NAMES	AIRCRAFT CATEGORY
086	B737-500/CFM56-3B-1	JCOM

AIRCRAFT WEIGHT	STAGE NUMBER	NUMBER OF ENGINES
105000	2	2

SEG. NO.	TYPE	FLAP	START ALT (FT)	END ALT (FT)	CALIBRATED START SPEED (KCAS)	CALIBRATED END SPEED (KCAS)	SEG. LNGTH (FT)	THRST (LB)	R/C (FPM)	GRAD
1	TKOFF	5	0	0	16	155	4125	15634	0	0.00000
2	CLIMB	5	0	1000	155	155	4474	15837	3525	0.22350
3	ACCEL	5	1000	1312	155	175	2857	15897	1763	0.10441
4	ACCEL	1	1312	1519	175	190	2101	15645	1763	0.09383
5	ACCEL	ZERO	1519	1644	190	210	2464	14230	1000	0.04829
6	CLIMB	ZERO	1644	3000	210	210	7549	14172	3953	0.17962
7	ACCEL	ZERO	3000	3280	210	250	6490	13953	1000	0.04101
8	CLIMB	ZERO	3280	5500	250	250	14273	13802	4204	0.15554
9	CLIMB	ZERO	5500	7500	250	250	13928	14130	4008	0.14360
10	CLIMB	ZERO	7500	10000	250	250	19038	14480	3794	0.13131

SEG. NO.	TYPE	FLAP	THRUST TYPE	VALUE
1	TKOFF	5	MAX TKOFF	
2	CLIMB	5	MAX TKOFF	
3	ACCEL	5	MAX TKOFF	
4	ACCEL	1	MAX TKOFF	
5	ACCEL	ZERO	MAX CLIMB	
6	CLIMB	ZERO	MAX CLIMB	
7	ACCEL	ZERO	MAX CLIMB	
8	CLIMB	ZERO	MAX CLIMB	
9	CLIMB	ZERO	MAX CLIMB	
10	CLIMB	ZERO	MAX CLIMB	

TAKEOFF PROFILE DATA (HEADWIND = 8 KT) 06-20-1991 09:45:25

AIRCRAFT ID NUMBER	AIRCRAFT AND ENGINE NAMES	AIRCRAFT CATEGORY
086	B737-500/CFM56-3B-1	JCOM

	DISTANCE FROM BRAKE RELEASE (FT)	HEIGHT (FT)	SPEED (KTAS)	THRUST (LB)
POINT 1	0	0	16	18423
POINT 2	4125	0	155	15634
POINT 3	8600	1000	157	16039
POINT 4	11456	1312	178	15755
POINT 5	13558	1519	194	15536
POINT 6	14558	1570	203	14394
POINT 7	16022	1644	215	14067
POINT 8	23571	3000	220	14278
POINT 9	30061	3280	262	13629
POINT 10	44334	5500	271	13974
POINT 11	58262	7500	280	14286
POINT 12	77301	10000	291	0

THRUST FOR LEVEL FLIGHT	GRADIENT AT TAKE-OFF POWER	TAKE-OFF THRUST	GRADIENT AT CLIMB POWER
4387	0.223501	15837	0.188436

CLIMB THRUST	GRADIENT AT FAR36 CUTBACK	THRUST FOR ENGINE OUT LEVEL FLIGHT	VZF (KCAS)
15160	0.078096	8774	210

NUMBER OF ENGINES	RATED THRUST LB	AIRCRAFT WEIGHT (LB)	STAGE NUMBER
2	20000	105000	2

TAKEOFF SEGMENTS DATA (HEADWIND = 8 KT) 06-20-1991 09:46:41

AIRCRAFT ID NUMBER	AIRCRAFT AND ENGINE NAMES	AIRCRAFT CATEGORY
086	B737-500/CFM56-3B-1	JCOM

AIRCRAFT WEIGHT	STAGE NUMBER	NUMBER OF ENGINES
111000	3	2

SEG. NO.	TYPE	FLAP	START ALT (FT)	END ALT (FT)	CALIBRATED START SPEED (KCAS)	CALIBRATED END SPEED (KCAS)	SEG. LNGTH (FT)	THRST (LB)	R/C (FPM)	GRAD
1	TKOFF	5	0	0	16	159	4636	15547	0	0.00000
2	CLIMB	5	0	1000	159	159	4889	15749	3317	0.20453
3	ACCEL	5	1000	1315	159	179	3138	15813	1659	0.09574
4	ACCEL	1	1315	1470	179	190	1695	15596	1659	0.08732
5	ACCEL	ZERO	1470	1608	190	210	2719	14224	1000	0.04832
6	CLIMB	ZERO	1608	3000	210	210	8364	14170	3662	0.16641
7	ACCEL	ZERO	3000	3311	210	250	7203	13956	1000	0.04100
8	CLIMB	ZERO	3311	5500	250	250	15249	13804	3881	0.14358
9	CLIMB	ZERO	5500	7500	250	250	15104	14130	3696	0.13242
10	CLIMB	ZERO	7500	10000	250	250	20687	14480	3492	0.12085

SEG. NO.	TYPE	FLAP	THRUST TYPE	VALUE
1	TKOFF	5	MAX TKOFF	
2	CLIMB	5	MAX TKOFF	
3	ACCEL	5	MAX TKOFF	
4	ACCEL	1	MAX TKOFF	
5	ACCEL	ZERO	MAX CLIMB	
6	CLIMB	ZERO	MAX CLIMB	
7	ACCEL	ZERO	MAX CLIMB	
8	CLIMB	ZERO	MAX CLIMB	
9	CLIMB	ZERO	MAX CLIMB	
10	CLIMB	ZERO	MAX CLIMB	

TAKEOFF PROFILE DATA (HEADWIND = 8 KT) 06-20-1991 09:46:45

AIRCRAFT ID NUMBER	AIRCRAFT AND ENGINE NAMES	AIRCRAFT CATEGORY
086	B737-500/CFM56-3B-1	JCOM

	DISTANCE FROM BRAKE RELEASE (FT)	HEIGHT (FT)	SPEED (KTAS)	THRUST (LB)
POINT 1	0	0	16	18423
POINT 2	4636	0	159	15547
POINT 3	9525	1000	161	15951
POINT 4	12663	1315	182	15675
POINT 5	14358	1470	194	15517
POINT 6	15358	1521	202	14386
POINT 7	17078	1608	215	14061
POINT 8	25442	3000	220	14278
POINT 9	32645	3311	263	13633
POINT 10	47893	5500	271	13974
POINT 11	62997	7500	280	14286
POINT 12	83684	10000	291	0

THRUST FOR LEVEL FLIGHT	GRADIENT AT TAKE-OFF POWER	TAKE-OFF THRUST	GRADIENT AT CLIMB POWER
4637	0.204527	15749	0.172020

CLIMB THRUST	GRADIENT AT FAR36 CUTBACK	THRUST FOR ENGINE OUT LEVEL FLIGHT	VZF (KCAS)
15084	0.078096	9275	210

NUMBER OF ENGINES	RATED THRUST LB	AIRCRAFT WEIGHT (LB)	STAGE NUMBER
2	20000	111000	3

TAKEOFF SEGMENTS DATA (HEADWIND = 8 KT) 06-20-1991 09:48:02

AIRCRAFT ID NUMBER	AIRCRAFT AND ENGINE NAMES	AIRCRAFT CATEGORY
086	B737-500/CFM56-3B-1	JCOM

AIRCRAFT WEIGHT	STAGE NUMBER	NUMBER OF ENGINES
122000	4	2

SEG. NO.	TYPE	FLAP	START ALT (FT)	END ALT (FT)	CALIBRATED START SPEED (KCAS)	CALIBRATED END SPEED (KCAS)	SEG. LNGTH (FT)	THRST (LB)	R/C (FPM)	GRAD
1	TKOFF	5	0	0	16	167	5657	15392	0	0.00000
2	CLIMB	5	0	1000	167	167	5711	15594	2977	0.17511
3	ACCEL	5	1000	1334	167	187	3888	15659	1489	0.08201
4	ACCEL	1	1334	1378	187	190	547	15501	1489	0.07669
5	ACCEL	ZERO	1378	1628	190	220	5028	14131	1000	0.04716
6	CLIMB	ZERO	1628	3000	220	220	9599	13998	3296	0.14295
7	ACCEL	ZERO	3000	3282	220	250	6684	13867	1000	0.04014
8	CLIMB	ZERO	3282	5500	250	250	17738	13802	3379	0.12503
9	CLIMB	ZERO	5500	7500	250	250	17410	14130	3206	0.11488
10	CLIMB	ZERO	7500	10000	250	250	23944	14480	3017	0.10441

SEG. NO.	TYPE	FLAP	THRUST TYPE	VALUE
1	TKOFF	5	MAX TKOFF	
2	CLIMB	5	MAX TKOFF	
3	ACCEL	5	MAX TKOFF	
4	ACCEL	1	MAX TKOFF	
5	ACCEL	ZERO	MAX CLIMB	
6	CLIMB	ZERO	MAX CLIMB	
7	ACCEL	ZERO	MAX CLIMB	
8	CLIMB	ZERO	MAX CLIMB	
9	CLIMB	ZERO	MAX CLIMB	
10	CLIMB	ZERO	MAX CLIMB	

TAKEOFF PROFILE DATA (HEADWIND = 8 KT) 06-20-1991 09:48:15

AIRCRAFT ID NUMBER	AIRCRAFT AND ENGINE NAMES	AIRCRAFT CATEGORY
086	B737-500/CFM56-3B-1	JCOM

	DISTANCE FROM BRAKE RELEASE (FT)	HEIGHT (FT)	SPEED (KTAS)	THRUST (LB)
POINT 1	0	0	16	18423
POINT 2	5657	0	167	15392
POINT 3	11368	1000	169	15796
POINT 4	15255	1334	191	15522
POINT 5	15802	1378	194	15480
POINT 6	16802	1428	200	14372
POINT 7	20830	1628	225	13891
POINT 8	30429	3000	230	14105
POINT 9	37114	3282	262	13629
POINT 10	54852	5500	271	13974
POINT 11	72262	7500	280	14286
POINT 12	96206	10000	291	0

THRUST FOR LEVEL FLIGHT	GRADIENT AT TAKE-OFF POWER	TAKE-OFF THRUST	GRADIENT AT CLIMB POWER
5097	0.175108	15594	0.146464

CLIMB THRUST	GRADIENT AT FAR36 CUTBACK	THRUST FOR ENGINE OUT LEVEL FLIGHT	VZF (KCAS)
14951	0.078096	10194	220

NUMBER OF ENGINES	RATED THRUST LB	AIRCRAFT WEIGHT (LB)	STAGE NUMBER
2	20000	122000	4

APPROACH PROFILE DATA (HEADWIND = 8 KT) 02-15-1992 12:57:07

AIRCRAFT ID NUMBER	AIRCRAFT AND ENGINE NAMES	AIRCRAFT CATEGORY
086	B737-500/CFM56-3B-1	JCOM

	DISTANCE FROM RW THRESHOLD (FT)	HEIGHT (FT)	SPEED (KTAS)	THRUST (LB)	FLAPS
POINT 1	113533	6000	273	697	ZERO
POINT 2	56289	3000	178	1643	5
POINT 3	27668	1500	147	3037	D 15
POINT 4	18127	1000	137	3858	D 30
POINT 5	-954	0	135	3721	D 30
POINT 6	-1268	0	128	12000	
POINT 7	-4096	0	30	2000	

NUMBER OF ENGINES	RATED THRUST LB	AIRCRAFT WEIGHT (LB)	GLIDE SLOPE
2	20000	99900	3.00

TAKEOFF SEGMENTS DATA (HEADWIND = 8 KT) 06-20-1991 10:52:32

AIRCRAFT ID NUMBER	AIRCRAFT AND ENGINE NAMES	AIRCRAFT CATEGORY
087	B767-300/PW4060	JCOM

AIRCRAFT WEIGHT	STAGE NUMBER	NUMBER OF ENGINES
265000	1	2

SEG. NO.	TYPE	FLAP	START ALT (FT)	END ALT (FT)	CALIBRATED START SPEED (KCAS)	CALIBRATED END SPEED (KCAS)	SEG. LNGTH (FT)	THRST (LB)	R/C (FPM)	GRAD
1	TKOFF	15	0	0	16	147	2753	48586	0	0.00000
2	CLIMB	15	0	1000	147	147	3409	48712	4395	0.29331
3	ACCEL	15	1000	1081	147	152	535	48711	2198	0.14453
4	ACCEL	5	1081	1368	152	172	2078	48091	2198	0.13273
5	ACCEL	INT	1368	1614	172	215	4670	38206	1000	0.04998
6	ACCEL	ZERO	1614	1723	215	235	2427	36985	1000	0.04286
7	CLIMB	ZERO	1723	3000	235	235	6502	36954	4840	0.19638
8	ACCEL	ZERO	3000	3089	235	250	2165	37021	1000	0.03896
9	CLIMB	ZERO	3089	5500	250	250	13279	37406	4901	0.18159
10	CLIMB	ZERO	5500	7500	250	250	11780	38639	4738	0.16977
11	CLIMB	ZERO	7500	10000	250	250	15831	39896	4563	0.15792

SEG. NO.	TYPE	FLAP	THRUST TYPE	VALUE
1	TKOFF	15	MAX TKOFF	
2	CLIMB	15	MAX TKOFF	
3	ACCEL	15	MAX TKOFF	
4	ACCEL	5	MAX TKOFF	
5	ACCEL	INT	MAX CLIMB	
6	ACCEL	ZERO	MAX CLIMB	
7	CLIMB	ZERO	MAX CLIMB	
8	ACCEL	ZERO	MAX CLIMB	
9	CLIMB	ZERO	MAX CLIMB	
10	CLIMB	ZERO	MAX CLIMB	
11	CLIMB	ZERO	MAX CLIMB	

TAKEOFF PROFILE DATA (HEADWIND = 8 KT) 06-20-1991 10:52:35

AIRCRAFT ID NUMBER	AIRCRAFT AND ENGINE NAMES	AIRCRAFT CATEGORY
087	B767-300/PW4060	JCOM

	DISTANCE FROM BRAKE RELEASE (FT)	HEIGHT (FT)	SPEED (KTAS)	THRUST (LB)
POINT 1	0	0	16	55522
POINT 2	2753	0	147	48586
POINT 3	6163	1000	149	48837
POINT 4	6698	1081	154	48585
POINT 5	8776	1368	175	47597
POINT 6	9776	1421	185	39038
POINT 7	13447	1614	220	37374
POINT 8	15873	1723	241	36597
POINT 9	22375	3000	246	37311
POINT 10	24540	3089	262	36732
POINT 11	37818	5500	271	38080
POINT 12	49599	7500	280	39198
POINT 13	65430	10000	291	0

THRUST FOR LEVEL FLIGHT	GRADIENT AT TAKE-OFF POWER	TAKE-OFF THRUST	GRADIENT AT CLIMB POWER
11361	0.293309	48712	0.204340

CLIMB THRUST	GRADIENT AT FAR36 CUTBACK	THRUST FOR ENGINE OUT LEVEL FLIGHT	VZF (KCAS)
40724	0.080151	22722	215

NUMBER OF ENGINES	RATED THRUST LB	AIRCRAFT WEIGHT (LB)	STAGE NUMBER
2	60000	265000	1

TAKEOFF SEGMENTS DATA (HEADWIND = 8 KT) 06-20-1991 10:53:50

AIRCRAFT ID NUMBER	AIRCRAFT AND ENGINE NAMES	AIRCRAFT CATEGORY
087	B767-300/PW4060	JCOM

AIRCRAFT WEIGHT	STAGE NUMBER	NUMBER OF ENGINES
275500	2	2

SEG. NO.	TYPE	FLAP	START ALT (FT)	END ALT (FT)	CALIBRATED START SPEED (KCAS)	CALIBRATED END SPEED (KCAS)	SEG. LNGTH (FT)	THRST (LB)	R/C (FPM)	GRAD
1	TKOFF	15	0	0	16	150	2985	48433	0	0.00000
2	CLIMB	15	0	1000	150	150	3617	48559	4224	0.27645
3	ACCEL	15	1000	1083	150	155	588	48556	2112	0.13604
4	ACCEL	5	1083	1375	155	175	2229	47933	2112	0.12509
5	ACCEL	INT	1375	1638	175	218	5091	38089	1000	0.04920
6	ACCEL	ZERO	1638	1755	218	238	2629	36875	1000	0.04228
7	CLIMB	ZERO	1755	3000	238	238	6706	36837	4635	0.18568
8	ACCEL	ZERO	3000	3076	238	250	1858	36955	1000	0.03872
9	CLIMB	ZERO	3076	5500	250	250	14056	37402	4654	0.17248
10	CLIMB	ZERO	5500	7500	250	250	12413	38639	4497	0.16113
11	CLIMB	ZERO	7500	10000	250	250	16692	39896	4328	0.14977

SEG. NO.	TYPE	FLAP	THRUST TYPE	VALUE
1	TKOFF	15	MAX TKOFF	
2	CLIMB	15	MAX TKOFF	
3	ACCEL	15	MAX TKOFF	
4	ACCEL	5	MAX TKOFF	
5	ACCEL	INT	MAX CLIMB	
6	ACCEL	ZERO	MAX CLIMB	
7	CLIMB	ZERO	MAX CLIMB	
8	ACCEL	ZERO	MAX CLIMB	
9	CLIMB	ZERO	MAX CLIMB	
10	CLIMB	ZERO	MAX CLIMB	
11	CLIMB	ZERO	MAX CLIMB	

TAKEOFF PROFILE DATA (HEADWIND = 8 KT) 06-20-1991 10:53:54

AIRCRAFT ID NUMBER	AIRCRAFT AND ENGINE NAMES	AIRCRAFT CATEGORY
087	B767-300/PW4060	JCOM

	DISTANCE FROM BRAKE RELEASE (FT)	HEIGHT (FT)	SPEED (KTAS)	THRUST (LB)
POINT 1	0	0	16	55522
POINT 2	2985	0	150	48433
POINT 3	6603	1000	152	48684
POINT 4	7191	1083	157	48427
POINT 5	9420	1375	179	47440
POINT 6	10420	1426	187	38916
POINT 7	14510	1638	223	37261
POINT 8	17140	1755	244	36489
POINT 9	23845	3000	249	37185
POINT 10	25704	3076	262	36724
POINT 11	39760	5500	271	38080
POINT 12	52172	7500	280	39198
POINT 13	68864	10000	291	0

THRUST FOR LEVEL FLIGHT	GRADIENT AT TAKE-OFF POWER	TAKE-OFF THRUST	GRADIENT AT CLIMB POWER
11811	0.276448	48559	0.192039

CLIMB THRUST	GRADIENT AT FAR36 CUTBACK	THRUST FOR ENGINE OUT LEVEL FLIGHT	VZF (KCAS)
40603	0.080151	23622	218

NUMBER OF ENGINES	RATED THRUST LB	AIRCRAFT WEIGHT (LB)	STAGE NUMBER
2	60000	275500	2

TAKEOFF SEGMENTS DATA (HEADWIND = 8 KT) 06-20-1991 10:55:58

AIRCRAFT ID NUMBER	AIRCRAFT AND ENGINE NAMES	AIRCRAFT CATEGORY
087	B767-300/PW4060	JCOM

AIRCRAFT WEIGHT	STAGE NUMBER	NUMBER OF ENGINES
286400	3	2

SEG. NO.	TYPE	FLAP	START ALT (FT)	END ALT (FT)	CALIBRATED START SPEED (KCAS)	CALIBRATED END SPEED (KCAS)	SEG. LNGTH (FT)	THRST (LB)	R/C (FPM)	GRAD
1	TKOFF	15	0	0	16	153	3237	48278	0	0.00000
2	CLIMB	15	0	1000	153	153	3839	48403	4058	0.26048
3	ACCEL	15	1000	1086	153	158	640	48399	2029	0.12806
4	ACCEL	5	1086	1381	158	178	2393	47776	2029	0.11792
5	ACCEL	INT	1381	1664	178	221	5558	37972	1000	0.04845
6	ACCEL	ZERO	1664	1789	221	241	2853	36766	1000	0.04171
7	CLIMB	ZERO	1789	3000	241	241	6902	36721	4437	0.17548
8	ACCEL	ZERO	3000	3061	241	250	1498	36888	1000	0.03849
9	CLIMB	ZERO	3061	5500	250	250	14895	37398	4419	0.16377
10	CLIMB	ZERO	5500	7500	250	250	13084	38639	4266	0.15286
11	CLIMB	ZERO	7500	10000	250	250	17609	39896	4102	0.14197

SEG. NO.	TYPE	FLAP	THRUST TYPE	VALUE
1	TKOFF	15	MAX TKOFF	
2	CLIMB	15	MAX TKOFF	
3	ACCEL	15	MAX TKOFF	
4	ACCEL	5	MAX TKOFF	
5	ACCEL	INT	MAX CLIMB	
6	ACCEL	ZERO	MAX CLIMB	
7	CLIMB	ZERO	MAX CLIMB	
8	ACCEL	ZERO	MAX CLIMB	
9	CLIMB	ZERO	MAX CLIMB	
10	CLIMB	ZERO	MAX CLIMB	
11	CLIMB	ZERO	MAX CLIMB	

TAKEOFF PROFILE DATA (HEADWIND = 8 KT) 06-20-1991 10:56:03

AIRCRAFT ID NUMBER	AIRCRAFT AND ENGINE NAMES	AIRCRAFT CATEGORY
087	B767-300/PW4060	JCOM

	DISTANCE FROM BRAKE RELEASE (FT)	HEIGHT (FT)	SPEED (KTAS)	THRUST (LB)
POINT 1	0	0	16	55522
POINT 2	3237	0	153	48278
POINT 3	7076	1000	155	48529
POINT 4	7716	1086	161	48268
POINT 5	10109	1381	182	47283
POINT 6	11109	1432	190	38794
POINT 7	15667	1664	226	37150
POINT 8	18520	1789	247	36382
POINT 9	25422	3000	252	37059
POINT 10	26920	3061	262	36716
POINT 11	41815	5500	271	38080
POINT 12	54899	7500	280	39198
POINT 13	72508	10000	291	0

THRUST FOR LEVEL FLIGHT	GRADIENT AT TAKE-OFF POWER	TAKE-OFF THRUST	GRADIENT AT CLIMB POWER
12279	0.260479	48403	0.180318

CLIMB THRUST	GRADIENT AT FAR36 CUTBACK	THRUST FOR ENGINE OUT LEVEL FLIGHT	VZF (KCAS)
40480	0.080151	24557	221

NUMBER OF ENGINES	RATED THRUST LB	AIRCRAFT WEIGHT (LB)	STAGE NUMBER
2	60000	286400	3

TAKEOFF SEGMENTS DATA (HEADWIND = 8 KT) 06-20-1991 10:57:51

AIRCRAFT ID NUMBER	AIRCRAFT AND ENGINE NAMES	AIRCRAFT CATEGORY
087	B767-300/PW4060	JCOM

AIRCRAFT WEIGHT	STAGE NUMBER	NUMBER OF ENGINES
305700	4	2

SEG. NO.	TYPE	FLAP	START ALT (FT)	END ALT (FT)	CALIBRATED START SPEED (KCAS)	CALIBRATED END SPEED (KCAS)	SEG. LNGTH (FT)	THRST (LB)	R/C (FPM)	GRAD
1	TKOFF	15	0	0	16	158	3708	48010	0	0.00000
2	CLIMB	15	0	1000	158	158	4248	48135	3789	0.23542
3	ACCEL	15	1000	1087	158	163	717	48132	1895	0.11568
4	ACCEL	5	1087	1389	163	183	2702	47512	1895	0.10681
5	ACCEL	INT	1389	1703	183	225	6303	37797	1000	0.04736
6	ACCEL	ZERO	1703	1844	225	245	3267	36625	1000	0.04097
7	CLIMB	ZERO	1844	3000	245	245	7243	36568	4106	0.15967
8	ACCEL	ZERO	3000	3038	245	250	941	36797	1000	0.03818
9	CLIMB	ZERO	3038	5500	250	250	16422	37391	4045	0.14993
10	CLIMB	ZERO	5500	7500	250	250	14314	38639	3899	0.13972
11	CLIMB	ZERO	7500	10000	250	250	19293	39896	3744	0.12958

SEG. NO.	TYPE	FLAP	THRUST TYPE	VALUE
1	TKOFF	15	MAX TKOFF	
2	CLIMB	15	MAX TKOFF	
3	ACCEL	15	MAX TKOFF	
4	ACCEL	5	MAX TKOFF	
5	ACCEL	INT	MAX CLIMB	
6	ACCEL	ZERO	MAX CLIMB	
7	CLIMB	ZERO	MAX CLIMB	
8	ACCEL	ZERO	MAX CLIMB	
9	CLIMB	ZERO	MAX CLIMB	
10	CLIMB	ZERO	MAX CLIMB	
11	CLIMB	ZERO	MAX CLIMB	

TAKEOFF PROFILE DATA (HEADWIND = 8 KT) 06-20-1991 10:57:56

AIRCRAFT ID NUMBER	AIRCRAFT AND ENGINE NAMES	AIRCRAFT CATEGORY
087	B767-300/PW4060	JCOM

	DISTANCE FROM BRAKE RELEASE (FT)	HEIGHT (FT)	SPEED (KTAS)	THRUST (LB)
POINT 1	0	0	16	55522
POINT 2	3708	0	158	48010
POINT 3	7956	1000	160	48261
POINT 4	8673	1087	166	48004
POINT 5	11376	1389	187	47020
POINT 6	12376	1439	194	38589
POINT 7	17678	1703	231	37004
POINT 8	20945	1844	252	36245
POINT 9	28188	3000	256	36892
POINT 10	29129	3038	261	36703
POINT 11	45551	5500	271	38080
POINT 12	59865	7500	280	39198
POINT 13	79158	10000	291	0

THRUST FOR LEVEL FLIGHT	GRADIENT AT TAKE-OFF POWER	TAKE-OFF THRUST	GRADIENT AT CLIMB POWER
13106	0.235424	48135	0.161796

CLIMB THRUST	GRADIENT AT FAR36 CUTBACK	THRUST FOR ENGINE OUT LEVEL FLIGHT	VZF (KCAS)
40268	0.080151	26212	225

NUMBER OF ENGINES	RATED THRUST LB	AIRCRAFT WEIGHT (LB)	STAGE NUMBER
2	60000	305700	4

TAKEOFF SEGMENTS DATA (HEADWIND = 8 KT) 06-20-1991 10:59:35

AIRCRAFT ID NUMBER	AIRCRAFT AND ENGINE NAMES	AIRCRAFT CATEGORY
087	B767-300/PW4060	JCOM

AIRCRAFT WEIGHT	STAGE NUMBER	NUMBER OF ENGINES
330000	5	2

SEG. NO.	TYPE	FLAP	START ALT (FT)	END ALT (FT)	CALIBRATED START SPEED (KCAS)	CALIBRATED END SPEED (KCAS)	SEG. LNGTH (FT)	THRST (LB)	R/C (FPM)	GRAD
1	TKOFF	15	0	0	16	164	4351	47684	0	0.00000
2	CLIMB	15	0	1000	164	164	4794	47809	3488	0.20859
3	ACCEL	15	1000	1087	164	169	811	47810	1744	0.10243
4	ACCEL	5	1087	1398	169	189	3127	47195	1744	0.09488
5	ACCEL	INT	1398	1766	189	231	7609	37565	1000	0.04598
6	ACCEL	ZERO	1766	1929	231	251	3885	36415	1000	0.03991
7	CLIMB	ZERO	1929	3000	251	251	7529	36341	3750	0.14226
8	CLIMB	ZERO	3000	5500	251	251	18557	37339	3648	0.13472
9	CLIMB	ZERO	5500	7500	251	251	15967	38597	3510	0.12525
10	CLIMB	ZERO	7500	10000	251	251	21566	39854	3363	0.11592

SEG. NO.	TYPE	FLAP	THRUST TYPE	VALUE
1	TKOFF	15	MAX TKOFF	
2	CLIMB	15	MAX TKOFF	
3	ACCEL	15	MAX TKOFF	
4	ACCEL	5	MAX TKOFF	
5	ACCEL	INT	MAX CLIMB	
6	ACCEL	ZERO	MAX CLIMB	
7	CLIMB	ZERO	MAX CLIMB	
8	CLIMB	ZERO	MAX CLIMB	
9	CLIMB	ZERO	MAX CLIMB	
10	CLIMB	ZERO	MAX CLIMB	

TAKEOFF PROFILE DATA (HEADWIND = 8 KT) 06-20-1991 10:59:39

AIRCRAFT ID NUMBER	AIRCRAFT AND ENGINE NAMES	AIRCRAFT CATEGORY
087	B767-300/PW4060	JCOM

	DISTANCE FROM BRAKE RELEASE (FT)	HEIGHT (FT)	SPEED (KTAS)	THRUST (LB)
POINT 1	0	0	16	55522
POINT 2	4351	0	164	47684
POINT 3	9145	1000	166	47935
POINT 4	9956	1087	172	47686
POINT 5	13083	1398	193	46704
POINT 6	14083	1446	199	38342
POINT 7	20693	1766	237	36788
POINT 8	24578	1929	258	36041
POINT 9	32107	3000	262	36640
POINT 10	50664	5500	272	38038
POINT 11	66631	7500	281	39156
POINT 12	88197	10000	292	0

THRUST FOR LEVEL FLIGHT	GRADIENT AT TAKE-OFF POWER	TAKE-OFF THRUST	GRADIENT AT CLIMB POWER
14148	0.208592	47809	0.141794

CLIMB THRUST	GRADIENT AT FAR36 CUTBACK	THRUST FOR ENGINE OUT LEVEL FLIGHT	VZF (KCAS)
40010	0.080151	28295	231

NUMBER OF ENGINES	RATED THRUST LB	AIRCRAFT WEIGHT (LB)	STAGE NUMBER
2	60000	330000	5

TAKEOFF SEGMENTS DATA (HEADWIND = 8 KT) 06-20-1991 11:00:57

AIRCRAFT ID NUMBER	AIRCRAFT AND ENGINE NAMES	AIRCRAFT CATEGORY
087	B767-300/PW4060	JCOM

AIRCRAFT WEIGHT	STAGE NUMBER	NUMBER OF ENGINES
355900	6	2

SEG. NO.	TYPE	FLAP	START ALT (FT)	END ALT (FT)	CALIBRATED START SPEED (KCAS)	CALIBRATED END SPEED (KCAS)	SEG. LNGTH (FT)	THRST (LB)	R/C (FPM)	GRAD
1	TKOFF	15	0	0	16	170	5096	47349	0	0.00000
2	CLIMB	15	0	1000	170	170	5421	47475	3203	0.18448
3	ACCEL	15	1000	1085	170	175	890	47484	1602	0.09063
4	ACCEL	5	1085	1405	175	195	3629	46877	1602	0.08425
5	ACCEL	INT	1405	1841	195	237	9285	37337	1000	0.04467
6	ACCEL	ZERO	1841	2032	237	257	4659	36213	1000	0.03888
7	CLIMB	ZERO	2032	3000	257	257	7652	36118	3417	0.12650
8	CLIMB	ZERO	3000	5500	257	257	20863	37087	3322	0.11983
9	CLIMB	ZERO	5500	7500	257	257	17987	38345	3190	0.11119
10	CLIMB	ZERO	7500	10000	257	257	24350	39603	3050	0.10267

SEG. NO.	TYPE	FLAP	THRUST TYPE	VALUE
1	TKOFF	15	MAX TKOFF	
2	CLIMB	15	MAX TKOFF	
3	ACCEL	15	MAX TKOFF	
4	ACCEL	5	MAX TKOFF	
5	ACCEL	INT	MAX CLIMB	
6	ACCEL	ZERO	MAX CLIMB	
7	CLIMB	ZERO	MAX CLIMB	
8	CLIMB	ZERO	MAX CLIMB	
9	CLIMB	ZERO	MAX CLIMB	
10	CLIMB	ZERO	MAX CLIMB	

TAKEOFF PROFILE DATA (HEADWIND = 8 KT) 06-20-1991 11:01:00

AIRCRAFT ID NUMBER	AIRCRAFT AND ENGINE NAMES	AIRCRAFT CATEGORY
087	B767-300/PW4060	JCOM

	DISTANCE FROM BRAKE RELEASE (FT)	HEIGHT (FT)	SPEED (KTAS)	THRUST (LB)
POINT 1	0	0	16	55522
POINT 2	5096	0	170	47349
POINT 3	10517	1000	173	47600
POINT 4	11407	1085	178	47367
POINT 5	15036	1405	199	46388
POINT 6	16036	1452	204	38095
POINT 7	24321	1841	244	36579
POINT 8	28980	2032	265	35848
POINT 9	36632	3000	269	36389
POINT 10	57495	5500	279	37786
POINT 11	75481	7500	288	38904
POINT 12	99831	10000	299	0

THRUST FOR LEVEL FLIGHT	GRADIENT AT TAKE-OFF POWER	TAKE-OFF THRUST	GRADIENT AT CLIMB POWER
15258	0.184477	47475	0.123682

CLIMB THRUST	GRADIENT AT FAR36 CUTBACK	THRUST FOR ENGINE OUT LEVEL FLIGHT	VZF (KCAS)
39746	0.080151	30516	237

NUMBER OF ENGINES	RATED THRUST LB	AIRCRAFT WEIGHT (LB)	STAGE NUMBER
2	60000	355900	6

TAKEOFF SEGMENTS DATA (HEADWIND = 8 KT) 06-20-1991 11:02:11

AIRCRAFT ID NUMBER	AIRCRAFT AND ENGINE NAMES	AIRCRAFT CATEGORY
087	B767-300/PW4060	JCOM

AIRCRAFT WEIGHT	STAGE NUMBER	NUMBER OF ENGINES
367700	7	2

SEG. NO.	TYPE	FLAP	START ALT (FT)	END ALT (FT)	CALIBRATED START SPEED (KCAS)	CALIBRATED END SPEED (KCAS)	SEG. LNGTH (FT)	THRST (LB)	R/C (FPM)	GRAD
1	TKOFF	15	0	0	16	173	5457	47201	0	0.00000
2	CLIMB	15	0	1000	173	173	5723	47326	3084	0.17473
3	ACCEL	15	1000	1089	173	178	995	47331	1542	0.08576
4	ACCEL	5	1089	1414	178	198	3882	46720	1542	0.07976
5	ACCEL	INT	1414	1886	198	240	10191	37226	1000	0.04404
6	ACCEL	ZERO	1886	2091	240	260	5071	36117	1000	0.03839
7	CLIMB	ZERO	2091	3000	260	260	7574	36009	3281	0.12001
8	CLIMB	ZERO	3000	5500	260	260	21985	36962	3189	0.11371
9	CLIMB	ZERO	5500	7500	260	260	18972	38220	3060	0.10542
10	CLIMB	ZERO	7500	10000	260	260	25714	39477	2922	0.09722

SEG. NO.	TYPE	FLAP	THRUST TYPE	VALUE
1	TKOFF	15	MAX TKOFF	
2	CLIMB	15	MAX TKOFF	
3	ACCEL	15	MAX TKOFF	
4	ACCEL	5	MAX TKOFF	
5	ACCEL	INT	MAX CLIMB	
6	ACCEL	ZERO	MAX CLIMB	
7	CLIMB	ZERO	MAX CLIMB	
8	CLIMB	ZERO	MAX CLIMB	
9	CLIMB	ZERO	MAX CLIMB	
10	CLIMB	ZERO	MAX CLIMB	

TAKEOFF PROFILE DATA (HEADWIND = 8 KT) 06-20-1991 11:02:16

AIRCRAFT ID NUMBER	AIRCRAFT AND ENGINE NAMES	AIRCRAFT CATEGORY
087	B767-300/PW4060	JCOM

	DISTANCE FROM BRAKE RELEASE (FT)	HEIGHT (FT)	SPEED (KTAS)	THRUST (LB)
POINT 1	0	0	16	55522
POINT 2	5457	0	173	47201
POINT 3	11180	1000	176	47452
POINT 4	12175	1089	181	47209
POINT 5	16057	1414	202	46231
POINT 6	17057	1461	207	37974
POINT 7	26248	1886	247	36478
POINT 8	31318	2091	268	35755
POINT 9	38892	3000	272	36263
POINT 10	60877	5500	282	37661
POINT 11	79849	7500	291	38779
POINT 12	105563	10000	303	0

THRUST FOR LEVEL FLIGHT	GRADIENT AT TAKE-OFF POWER	TAKE-OFF THRUST	GRADIENT AT CLIMB POWER
15764	0.174731	47326	0.116328

CLIMB THRUST	GRADIENT AT FAR36 CUTBACK	THRUST FOR ENGINE OUT LEVEL FLIGHT	VZF (KCAS)
39629	0.080151	31528	240

NUMBER OF ENGINES	RATED THRUST LB	AIRCRAFT WEIGHT (LB)	STAGE NUMBER
2	60000	367700	7

APPROACH PROFILE DATA (HEADWIND = 8 KT) 02-15-1992 13:04:01

AIRCRAFT ID NUMBER	AIRCRAFT AND ENGINE NAMES	AIRCRAFT CATEGORY
087	B767-300/PW4060	JCOM

	DISTANCE FROM RW THRESHOLD (FT)	HEIGHT (FT)	SPEED (KTAS)	THRUST (LB)	FLAPS
POINT 1	113533	6000	273	411	ZERO
POINT 2	56289	3000	175	3886	5
POINT 3	27668	1500	144	10672	D 25
POINT 4	18127	1000	139	12256	D 30
POINT 5	-954	0	137	11821	D 30
POINT 6	-1283	0	130	36000	
POINT 7	-4239	0	30	6000	

NUMBER OF ENGINES	RATED THRUST LB	AIRCRAFT WEIGHT (LB)	GLIDE SLOPE
2	60000	288000	3.00

TAKEOFF SEGMENTS DATA (HEADWIND = 8 KT) 06-21-1991 15:32:16

AIRCRAFT ID NUMBER	AIRCRAFT AND ENGINE NAMES	AIRCRAFT CATEGORY
088	BAE146-300/ALF502R-5	JCOM

AIRCRAFT WEIGHT	STAGE NUMBER	NUMBER OF ENGINES
80000	1	4

SEG. NO.	TYPE	FLAP	START ALT (FT)	END ALT (FT)	CALIBRATED START SPEED (KCAS)	CALIBRATED END SPEED (KCAS)	SEG. LNGTH (FT)	THRST (LB)	R/C (FPM)	GRAD
1	TKOFF	18	0	0	16	141	2942	5138	0	0.00000
2	CLIMB	18	0	1000	141	141	7816	5163	1840	0.12794
3	ACCEL	18	1000	1537	141	176	9074	5014	920	0.05633
4	ACCEL	ZERO	1537	1832	176	206	6180	4497	900	0.04543
5	CLIMB	ZERO	1832	3000	206	206	10404	4351	2426	0.11223
6	ACCEL	ZERO	3000	3598	206	250	15320	4119	900	0.03713
7	CLIMB	ZERO	3598	5500	250	250	24632	3850	2092	0.07720
8	CLIMB	ZERO	5500	7500	250	250	33169	3694	1683	0.06030
9	CLIMB	ZERO	7500	10000	250	250	64560	3398	1119	0.03872

SEG. NO.	TYPE	FLAP	THRUST TYPE	VALUE
1	TKOFF	18	MAX TKOFF	
2	CLIMB	18	MAX TKOFF	
3	ACCEL	18	MAX TKOFF	
4	ACCEL	ZERO	MAX CLIMB	
5	CLIMB	ZERO	MAX CLIMB	
6	ACCEL	ZERO	MAX CLIMB	
7	CLIMB	ZERO	MAX CLIMB	
8	CLIMB	ZERO	MAX CLIMB	
9	CLIMB	ZERO	MAX CLIMB	

TAKEOFF PROFILE DATA (HEADWIND = 8 KT) 06-21-1991 15:32:19

AIRCRAFT ID NUMBER	AIRCRAFT AND ENGINE NAMES	AIRCRAFT CATEGORY
088	BAE146-300/ALF502R-5	JCOM

	DISTANCE FROM BRAKE RELEASE (FT)	HEIGHT (FT)	SPEED (KTAS)	THRUST (LB)
POINT 1	0	0	16	6383
POINT 2	2942	0	141	5138
POINT 3	10758	1000	143	5182
POINT 4	19832	1537	180	4847
POINT 5	20832	1585	185	4644
POINT 6	26012	1832	212	4349
POINT 7	36416	3000	215	4345
POINT 8	51736	3598	264	3892
POINT 9	76367	5500	271	3786
POINT 10	109536	7500	280	3578
POINT 11	174096	10000	291	0

THRUST FOR LEVEL FLIGHT	GRADIENT AT TAKE-OFF POWER	TAKE-OFF THRUST	GRADIENT AT CLIMB POWER
2662	0.127941	5163	0.101819

CLIMB THRUST	GRADIENT AT FAR36 CUTBACK	THRUST FOR ENGINE OUT LEVEL FLIGHT	VZF (KCAS)
4999	0.041373	3549	206

NUMBER OF ENGINES	RATED THRUST LB	AIRCRAFT WEIGHT (LB)	STAGE NUMBER
4	6970	80000	1

TAKEOFF SEGMENTS DATA (HEADWIND = 8 KT) 06-21-1991 15:33:25

AIRCRAFT ID NUMBER	AIRCRAFT AND ENGINE NAMES	AIRCRAFT CATEGORY
088	BAE146-300/ALF502R-5	JCOM

AIRCRAFT WEIGHT	STAGE NUMBER	NUMBER OF ENGINES
88000	2	4

SEG. NO.	TYPE	FLAP	START ALT (FT)	END ALT (FT)	CALIBRATED START SPEED (KCAS)	CALIBRATED END SPEED (KCAS)	SEG. LNGTH (FT)	THRST (LB)	R/C (FPM)	GRAD
1	TKOFF	18	0	0	16	148	3608	5070	0	0.00000
2	CLIMB	18	0	1000	148	148	9896	5095	1524	0.10105
3	ACCEL	18	1000	1591	148	183	12594	4946	762	0.04465
4	ACCEL	ZERO	1591	1885	183	213	7660	4428	750	0.03648
5	CLIMB	ZERO	1885	3000	213	213	12146	4282	2053	0.09178
6	ACCEL	ZERO	3000	3508	213	250	15820	4085	750	0.03049
7	CLIMB	ZERO	3508	5500	250	250	31445	3852	1715	0.06336
8	CLIMB	ZERO	5500	7500	250	250	41928	3694	1331	0.04770
9	CLIMB	ZERO	7500	10000	250	250	88912	3398	812	0.02812

SEG. NO.	TYPE	FLAP	THRUST TYPE	VALUE
1	TKOFF	18	MAX TKOFF	
2	CLIMB	18	MAX TKOFF	
3	ACCEL	18	MAX TKOFF	
4	ACCEL	ZERO	MAX CLIMB	
5	CLIMB	ZERO	MAX CLIMB	
6	ACCEL	ZERO	MAX CLIMB	
7	CLIMB	ZERO	MAX CLIMB	
8	CLIMB	ZERO	MAX CLIMB	
9	CLIMB	ZERO	MAX CLIMB	

TAKEOFF PROFILE DATA (HEADWIND = 8 KT) 06-21-1991 15:33:28

AIRCRAFT ID NUMBER	AIRCRAFT AND ENGINE NAMES	AIRCRAFT CATEGORY
088	BAE146-300/ALF502R-5	JCOM

	DISTANCE FROM BRAKE RELEASE (FT)	HEIGHT (FT)	SPEED (KTAS)	THRUST (LB)
POINT 1	0	0	16	6383
POINT 2	3608	0	148	5070
POINT 3	13505	1000	150	5114
POINT 4	26098	1591	187	4778
POINT 5	27098	1630	191	4575
POINT 6	33759	1885	219	4280
POINT 7	45904	3000	223	4276
POINT 8	61724	3508	263	3895
POINT 9	93169	5500	271	3786
POINT 10	135097	7500	280	3578
POINT 11	224009	10000	291	0

THRUST FOR LEVEL FLIGHT	GRADIENT AT TAKE-OFF POWER	TAKE-OFF THRUST	GRADIENT AT CLIMB POWER
2928	0.101048	5095	0.077704

CLIMB THRUST	GRADIENT AT FAR36 CUTBACK	THRUST FOR ENGINE OUT LEVEL FLIGHT	VZF (KCAS)
4930	0.041373	3904	213

NUMBER OF ENGINES	RATED THRUST LB	AIRCRAFT WEIGHT (LB)	STAGE NUMBER
4	6970	88000	2

TAKEOFF SEGMENTS DATA (HEADWIND = 8 KT) 06-21-1991 15:34:36

AIRCRAFT ID NUMBER	AIRCRAFT AND ENGINE NAMES	AIRCRAFT CATEGORY
088	BAE146-300/ALF502R-5	JCOM

AIRCRAFT WEIGHT	STAGE NUMBER	NUMBER OF ENGINES
96000	3	4

SEG. NO.	TYPE	FLAP	START ALT (FT)	END ALT (FT)	CALIBRATED START SPEED (KCAS)	CALIBRATED END SPEED (KCAS)	SEG. LNGTH (FT)	THRST (LB)	R/C (FPM)	GRAD
1	TKOFF	18	0	0	16	154	4350	5004	0	0.00000
2	CLIMB	18	0	1000	154	154	12669	5029	1244	0.07893
3	ACCEL	18	1000	1647	154	189	17543	4884	622	0.03508
4	ACCEL	ZERO	1647	1858	189	219	8472	4368	500	0.02359
5	CLIMB	ZERO	1858	3000	219	219	15143	4222	1734	0.07543
6	ACCEL	ZERO	3000	3301	219	250	14237	4058	500	0.02010
7	CLIMB	ZERO	3301	5500	250	250	42089	3858	1412	0.05224
8	CLIMB	ZERO	5500	7500	250	250	53733	3694	1039	0.03722
9	CLIMB	ZERO	7500	10000	250	250	129622	3398	557	0.01929

SEG. NO.	TYPE	FLAP	THRUST TYPE	VALUE
1	TKOFF	18	MAX TKOFF	
2	CLIMB	18	MAX TKOFF	
3	ACCEL	18	MAX TKOFF	
4	ACCEL	ZERO	MAX CLIMB	
5	CLIMB	ZERO	MAX CLIMB	
6	ACCEL	ZERO	MAX CLIMB	
7	CLIMB	ZERO	MAX CLIMB	
8	CLIMB	ZERO	MAX CLIMB	
9	CLIMB	ZERO	MAX CLIMB	

TAKEOFF PROFILE DATA (HEADWIND = 8 KT) 06-21-1991 15:34:39

AIRCRAFT ID NUMBER	AIRCRAFT AND ENGINE NAMES	AIRCRAFT CATEGORY
088	BAE146-300/ALF502R-5	JCOM

	DISTANCE FROM BRAKE RELEASE (FT)	HEIGHT (FT)	SPEED (KTAS)	THRUST (LB)
POINT 1	0	0	16	6383
POINT 2	4350	0	154	5004
POINT 3	17020	1000	157	5048
POINT 4	34563	1647	194	4719
POINT 5	35563	1672	197	4516
POINT 6	43035	1858	225	4220
POINT 7	58178	3000	229	4216
POINT 8	72414	3301	263	3901
POINT 9	114504	5500	271	3786
POINT 10	168237	7500	280	3578
POINT 11	297860	10000	291	0

THRUST FOR LEVEL FLIGHT	GRADIENT AT TAKE-OFF POWER	TAKE-OFF THRUST	GRADIENT AT CLIMB POWER
3194	0.078932	5029	0.057830

CLIMB THRUST	GRADIENT AT FAR36 CUTBACK	THRUST FOR ENGINE OUT LEVEL FLIGHT	VZF (KCAS)
4865	0.041373	4259	219

NUMBER OF ENGINES	RATED THRUST LB	AIRCRAFT WEIGHT (LB)	STAGE NUMBER
4	6970	96000	3

APPROACH PROFILE DATA (HEADWIND = 8 KT) 02-15-1992 15:12:49

AIRCRAFT ID NUMBER	AIRCRAFT AND ENGINE NAMES	AIRCRAFT CATEGORY
088	BAE146-300/ALF502R-5	JCOM

	DISTANCE FROM RW THRESHOLD (FT)	HEIGHT (FT)	SPEED (KTAS)	THRUST (LB)	FLAPS
POINT 1	113533	6000	273	737	ZERO
POINT 2	56289	3000	188	1635	18
POINT 3	27668	1500	171	1686	D 24
POINT 4	18127	1000	126	1936	D 33
POINT 5	-954	0	124	1867	D 33
POINT 6	-1215	0	118	4182	
POINT 7	-3564	0	30	697	

NUMBER OF ENGINES	RATED THRUST LB	AIRCRAFT WEIGHT (LB)	GLIDE SLOPE
4	6970	76050	3.00

TAKEOFF SEGMENTS DATA (HEADWIND = 8 KT) 06-23-1991 12:33:58

AIRCRAFT ID NUMBER	AIRCRAFT AND ENGINE NAMES	AIRCRAFT CATEGORY
089	F100/TAY 620-15	JCOM

AIRCRAFT WEIGHT	STAGE NUMBER	NUMBER OF ENGINES
78000	1	2

SEG. NO.	TYPE	FLAP	START ALT (FT)	END ALT (FT)	CALIBRATED START SPEED (KCAS)	CALIBRATED END SPEED (KCAS)	SEG. LNGTH (FT)	THRST (LB)	R/C (FPM)	GRAD
1	TKOFF	TO	0	0	16	144	3324	11164	0	0.00000
2	CLIMB	TO	0	1000	144	144	4466	11304	3294	0.22394
3	ACCEL	TO	1000	1296	144	154	1965	11404	2196	0.14450
4	ACCEL	TO	1296	1507	154	169	2038	11270	1647	0.09913
5	ACCEL	TO	1507	1652	169	184	2519	8999	1000	0.05474
6	CLIMB	TO	1652	3000	184	184	9138	9030	2844	0.14748
7	ACCEL	TO	3000	3703	184	250	15425	8854	1000	0.04331
8	CLIMB	TO	3703	5500	250	250	15623	8710	3119	0.11505
9	CLIMB	TO	5500	7500	250	250	18599	8970	3001	0.10753
10	CLIMB	TO	7500	10000	250	250	25330	9278	2852	0.09870

SEG. NO.	TYPE	FLAP	THRUST TYPE	VALUE
1	TKOFF	TO	MAX TKOFF	
2	CLIMB	TO	MAX TKOFF	
3	ACCEL	TO	MAX TKOFF	
4	ACCEL	TO	MAX TKOFF	
5	ACCEL	TO	MAX CLIMB	
6	CLIMB	TO	MAX CLIMB	
7	ACCEL	TO	MAX CLIMB	
8	CLIMB	TO	MAX CLIMB	
9	CLIMB	TO	MAX CLIMB	
10	CLIMB	TO	MAX CLIMB	

TAKEOFF PROFILE DATA (HEADWIND = 8 KT) 06-23-1991 12:34:03

AIRCRAFT ID NUMBER	AIRCRAFT AND ENGINE NAMES	AIRCRAFT CATEGORY
089	F100/TAY 620-15	JCOM

	DISTANCE FROM BRAKE RELEASE (FT)	HEIGHT (FT)	SPEED (KTAS)	THRUST (LB)
POINT 1	0	0	16	13286
POINT 2	3324	0	144	11164
POINT 3	7790	1000	146	11444
POINT 4	9755	1296	157	11364
POINT 5	11793	1507	173	11175
POINT 6	12793	1565	179	9061
POINT 7	14312	1652	189	8938
POINT 8	23450	3000	192	9122
POINT 9	38874	3703	264	8587
POINT 10	54498	5500	271	8833
POINT 11	73097	7500	280	9107
POINT 12	98427	10000	291	0

THRUST FOR LEVEL FLIGHT	GRADIENT AT TAKE-OFF POWER	TAKE-OFF THRUST	GRADIENT AT CLIMB POWER
2772	0.223938	11304	0.155970

CLIMB THRUST	GRADIENT AT FAR36 CUTBACK	THRUST FOR ENGINE OUT LEVEL FLIGHT	VZF (KCAS)
9435	0.066369	5544	184

NUMBER OF ENGINES	RATED THRUST LB	AIRCRAFT WEIGHT (LB)	STAGE NUMBER
2	13900	78000	1

TAKEOFF SEGMENTS DATA (HEADWIND = 8 KT) 06-23-1991 12:35:32

AIRCRAFT ID NUMBER	AIRCRAFT AND ENGINE NAMES	AIRCRAFT CATEGORY
089	F100/TAY 620-15	JCOM

AIRCRAFT WEIGHT	STAGE NUMBER	NUMBER OF ENGINES
86000	2	2

SEG. NO.	TYPE	FLAP	START ALT (FT)	END ALT (FT)	CALIBRATED START SPEED (KCAS)	CALIBRATED END SPEED (KCAS)	SEG. LNGTH (FT)	THRST (LB)	R/C (FPM)	GRAD
1	TKOFF	TO	0	0	16	151	4085	11044	0	0.00000
2	CLIMB	TO	0	1000	151	151	5195	11184	2973	0.19250
3	ACCEL	TO	1000	1302	151	161	2326	11287	1982	0.12415
4	ACCEL	TO	1302	1524	161	176	2475	11157	1487	0.08566
5	ACCEL	TO	1524	1709	176	191	3338	8937	1000	0.05262
6	CLIMB	TO	1709	3000	191	191	10305	8967	2510	0.12532
7	ACCEL	TO	3000	3805	191	250	17969	8828	1000	0.04259
8	CLIMB	TO	3805	5500	250	250	17313	8717	2657	0.09791
9	CLIMB	TO	5500	7500	250	250	21903	8970	2548	0.09131
10	CLIMB	TO	7500	10000	250	250	30000	9278	2408	0.08333

SEG. NO.	TYPE	FLAP	THRUST TYPE	VALUE
1	TKOFF	TO	MAX TKOFF	
2	CLIMB	TO	MAX TKOFF	
3	ACCEL	TO	MAX TKOFF	
4	ACCEL	TO	MAX TKOFF	
5	ACCEL	TO	MAX CLIMB	
6	CLIMB	TO	MAX CLIMB	
7	ACCEL	TO	MAX CLIMB	
8	CLIMB	TO	MAX CLIMB	
9	CLIMB	TO	MAX CLIMB	
10	CLIMB	TO	MAX CLIMB	

TAKEOFF PROFILE DATA (HEADWIND = 8 KT) 06-23-1991 12:35:36

AIRCRAFT ID NUMBER	AIRCRAFT AND ENGINE NAMES	AIRCRAFT CATEGORY
089	F100/TAY 620-15	JCOM

	DISTANCE FROM BRAKE RELEASE (FT)	HEIGHT (FT)	SPEED (KTAS)	THRUST (LB)
POINT 1	0	0	16	13286
POINT 2	4085	0	151	11044
POINT 3	9280	1000	154	11325
POINT 4	11605	1302	164	11250
POINT 5	14080	1524	180	11064
POINT 6	15080	1579	185	8996
POINT 7	17419	1709	196	8878
POINT 8	27724	3000	200	9055
POINT 9	45693	3805	265	8601
POINT 10	63006	5500	271	8833
POINT 11	84909	7500	280	9107
POINT 12	114908	10000	291	0

THRUST FOR LEVEL FLIGHT	GRADIENT AT TAKE-OFF POWER	TAKE-OFF THRUST	GRADIENT AT CLIMB POWER
3056	0.192495	11184	0.133035

CLIMB THRUST	GRADIENT AT FAR36 CUTBACK	THRUST FOR ENGINE OUT LEVEL FLIGHT	VZF (KCAS)
9366	0.066369	6112	191

NUMBER OF ENGINES	RATED THRUST LB	AIRCRAFT WEIGHT (LB)	STAGE NUMBER
2	13900	86000	2

TAKEOFF SEGMENTS DATA (HEADWIND = 8 KT) 06-23-1991 12:37:11

AIRCRAFT ID NUMBER	AIRCRAFT AND ENGINE NAMES	AIRCRAFT CATEGORY
089	F100/TAY 620-15	JCOM

AIRCRAFT WEIGHT	STAGE NUMBER	NUMBER OF ENGINES
93000	3	2

SEG. NO.	TYPE	FLAP	START ALT (FT)	END ALT (FT)	CALIBRATED START SPEED (KCAS)	CALIBRATED END SPEED (KCAS)	SEG. LNGTH (FT)	THRST (LB)	R/C (FPM)	GRAD
1	TKOFF	TO	0	0	16	157	4821	10944	0	0.00000
2	CLIMB	TO	0	1000	157	157	5887	11084	2728	0.16987
3	ACCEL	TO	1000	1312	157	167	2720	11189	1819	0.10952
4	ACCEL	TO	1312	1543	167	182	2911	11062	1364	0.07580
5	ACCEL	TO	1543	1774	182	197	4309	8886	1000	0.05092
6	CLIMB	TO	1774	3000	197	197	11231	8914	2256	0.10917
7	ACCEL	TO	3000	3910	197	250	20614	8806	1000	0.04198
8	CLIMB	TO	3910	5500	250	250	18624	8724	2318	0.08537
9	CLIMB	TO	5500	7500	250	250	25171	8970	2217	0.07946
10	CLIMB	TO	7500	10000	250	250	34675	9278	2083	0.07210

SEG. NO.	TYPE	FLAP	THRUST TYPE	VALUE
1	TKOFF	TO	MAX TKOFF	
2	CLIMB	TO	MAX TKOFF	
3	ACCEL	TO	MAX TKOFF	
4	ACCEL	TO	MAX TKOFF	
5	ACCEL	TO	MAX CLIMB	
6	CLIMB	TO	MAX CLIMB	
7	ACCEL	TO	MAX CLIMB	
8	CLIMB	TO	MAX CLIMB	
9	CLIMB	TO	MAX CLIMB	
10	CLIMB	TO	MAX CLIMB	

TAKEOFF PROFILE DATA (HEADWIND = 8 KT) 06-23-1991 12:37:14

AIRCRAFT ID NUMBER	AIRCRAFT AND ENGINE NAMES	AIRCRAFT CATEGORY
089	F100/TAY 620-15	JCOM

	DISTANCE FROM BRAKE RELEASE (FT)	HEIGHT (FT)	SPEED (KTAS)	THRUST (LB)
POINT 1	0	0	16	13286
POINT 2	4821	0	157	10944
POINT 3	10708	1000	160	11225
POINT 4	13427	1312	170	11153
POINT 5	16339	1543	186	10970
POINT 6	17339	1597	190	8942
POINT 7	20648	1774	202	8830
POINT 8	31878	3000	206	8998
POINT 9	52492	3910	265	8615
POINT 10	71116	5500	271	8833
POINT 11	96287	7500	280	9107
POINT 12	130962	10000	291	0

THRUST FOR LEVEL FLIGHT	GRADIENT AT TAKE-OFF POWER	TAKE-OFF THRUST	GRADIENT AT CLIMB POWER
3305	0.169870	11084	0.116389

CLIMB THRUST	GRADIENT AT FAR36 CUTBACK	THRUST FOR ENGINE OUT LEVEL FLIGHT	VZF (KCAS)
9308	0.066369	6610	197

NUMBER OF ENGINES	RATED THRUST LB	AIRCRAFT WEIGHT (LB)	STAGE NUMBER
2	13900	93000	3

APPROACH PROFILE DATA (HEADWIND = 8 KT) 02-15-1992 15:31:26

AIRCRAFT ID NUMBER	AIRCRAFT AND ENGINE NAMES	AIRCRAFT CATEGORY
089	F100/TAY 620-15	JCOM

	DISTANCE FROM RW THRESHOLD (FT)	HEIGHT (FT)	SPEED (KTAS)	THRUST (LB)	FLAPS
POINT 1	113533	6000	273	840	TO
POINT 2	56289	3000	169	1700	INT2
POINT 3	27668	1500	144	2504	U INT
POINT 4	18127	1000	133	4219	D 42
POINT 5	-954	0	131	4069	D 42
POINT 6	-1269	0	125	8340	
POINT 7	-4104	0	30	1390	

NUMBER OF ENGINES	RATED THRUST LB	AIRCRAFT WEIGHT (LB)	GLIDE SLOPE
2	13900	77000	3.00

TAKEOFF SEGMENTS DATA (HEADWIND = 8 KT) 06-23-1991 12:41:24

AIRCRAFT ID NUMBER	AIRCRAFT AND ENGINE NAMES	AIRCRAFT CATEGORY
090	F100/TAY 650-15	JCOM

AIRCRAFT WEIGHT	STAGE NUMBER	NUMBER OF ENGINES
80000	1	2

SEG. NO.	TYPE	FLAP	START ALT (FT)	END ALT (FT)	CALIBRATED START SPEED (KCAS)	CALIBRATED END SPEED (KCAS)	SEG. LNGTH (FT)	THRST (LB)	R/C (FPM)	GRAD
1	TKOFF	TO	0	0	16	147	3187	12350	0	0.00000
2	CLIMB	TO	0	1000	147	147	4098	12383	3669	0.24404
3	ACCEL	TO	1000	1319	147	157	1942	12345	2446	0.15796
4	ACCEL	TO	1319	1548	157	172	2016	12157	1835	0.10848
5	ACCEL	TO	1548	1692	172	187	2543	9282	1000	0.05379
6	CLIMB	TO	1692	3000	187	187	8898	9293	2883	0.14704
7	ACCEL	TO	3000	3675	187	250	14915	9085	1000	0.04302
8	CLIMB	TO	3675	5500	250	250	16058	8908	3081	0.11366
9	CLIMB	TO	5500	7500	250	250	18954	9145	2945	0.10552
10	CLIMB	TO	7500	10000	250	250	26010	9423	2777	0.09612

SEG. NO.	TYPE	FLAP	THRUST TYPE	VALUE
1	TKOFF	TO	MAX TKOFF	
2	CLIMB	TO	MAX TKOFF	
3	ACCEL	TO	MAX TKOFF	
4	ACCEL	TO	MAX TKOFF	
5	ACCEL	TO	MAX CLIMB	
6	CLIMB	TO	MAX CLIMB	
7	ACCEL	TO	MAX CLIMB	
8	CLIMB	TO	MAX CLIMB	
9	CLIMB	TO	MAX CLIMB	
10	CLIMB	TO	MAX CLIMB	

TAKEOFF PROFILE DATA (HEADWIND = 8 KT) 06-23-1991 12:41:26

AIRCRAFT ID NUMBER	AIRCRAFT AND ENGINE NAMES	AIRCRAFT CATEGORY
090	F100/TAY 650-15	JCOM

	DISTANCE FROM BRAKE RELEASE (FT)	HEIGHT (FT)	SPEED (KTAS)	THRUST (LB)
POINT 1	0	0	16	14546
POINT 2	3187	0	147	12350
POINT 3	7285	1000	150	12415
POINT 4	9227	1319	160	12275
POINT 5	11243	1548	176	12039
POINT 6	12243	1604	182	9352
POINT 7	13786	1692	192	9212
POINT 8	22684	3000	195	9374
POINT 9	37599	3675	264	8795
POINT 10	53657	5500	271	9021
POINT 11	72612	7500	280	9269
POINT 12	98621	10000	291	0

THRUST FOR LEVEL FLIGHT	GRADIENT AT TAKE-OFF POWER	TAKE-OFF THRUST	GRADIENT AT CLIMB POWER
2884	0.244039	12383	0.156178

CLIMB THRUST	GRADIENT AT FAR36 CUTBACK	THRUST FOR ENGINE OUT LEVEL FLIGHT	VZF (KCAS)
9729	0.067345	5769	187

NUMBER OF ENGINES	RATED THRUST LB	AIRCRAFT WEIGHT (LB)	STAGE NUMBER
2	15100	80000	1

TAKEOFF SEGMENTS DATA (HEADWIND = 8 KT) 06-23-1991 12:42:48

AIRCRAFT ID NUMBER	AIRCRAFT AND ENGINE NAMES	AIRCRAFT CATEGORY
090	F100/TAY 650-15	JCOM

AIRCRAFT WEIGHT	STAGE NUMBER	NUMBER OF ENGINES
88000	2	2

SEG. NO.	TYPE	FLAP	START ALT (FT)	END ALT (FT)	CALIBRATED START SPEED (KCAS)	CALIBRATED END SPEED (KCAS)	SEG. LNGTH (FT)	THRST (LB)	R/C (FPM)	GRAD
1	TKOFF	TO	0	0	16	155	3894	12230	0	0.00000
2	CLIMB	TO	0	1000	155	155	4739	12262	3327	0.21100
3	ACCEL	TO	1000	1359	155	165	2531	12219	2218	0.13596
4	ACCEL	TO	1359	1599	165	180	2451	12026	1664	0.09361
5	ACCEL	TO	1599	1782	180	195	3377	9207	1000	0.05144
6	CLIMB	TO	1782	3000	195	195	9755	9215	2555	0.12487
7	ACCEL	TO	3000	3752	195	250	16940	9047	1000	0.04223
8	CLIMB	TO	3752	5500	250	250	18020	8913	2631	0.09699
9	CLIMB	TO	5500	7500	250	250	22279	9145	2505	0.08977
10	CLIMB	TO	7500	10000	250	250	30765	9423	2348	0.08126

SEG. NO.	TYPE	FLAP	THRUST TYPE	VALUE
1	TKOFF	TO	MAX TKOFF	
2	CLIMB	TO	MAX TKOFF	
3	ACCEL	TO	MAX TKOFF	
4	ACCEL	TO	MAX TKOFF	
5	ACCEL	TO	MAX CLIMB	
6	CLIMB	TO	MAX CLIMB	
7	ACCEL	TO	MAX CLIMB	
8	CLIMB	TO	MAX CLIMB	
9	CLIMB	TO	MAX CLIMB	
10	CLIMB	TO	MAX CLIMB	

TAKEOFF PROFILE DATA (HEADWIND = 8 KT) 06-23-1991 12:44:18

AIRCRAFT ID NUMBER	AIRCRAFT AND ENGINE NAMES	AIRCRAFT CATEGORY
090	F100/TAY 650-15	JCOM

	DISTANCE FROM BRAKE RELEASE (FT)	HEIGHT (FT)	SPEED (KTAS)	THRUST (LB)
POINT 1	0	0	16	14546
POINT 2	4678	0	161	12115
POINT 3	10111	1000	164	12180
POINT 4	12875	1343	174	12042
POINT 5	15793	1595	190	11808
POINT 6	16793	1648	194	9211
POINT 7	20264	1830	206	9082
POINT 8	31895	3000	210	9227
POINT 9	51774	3870	265	8819
POINT 10	71390	5500	271	9021
POINT 11	97467	7500	280	9269
POINT 12	133740	10000	291	0

THRUST FOR LEVEL FLIGHT	GRADIENT AT TAKE-OFF POWER	TAKE-OFF THRUST	GRADIENT AT CLIMB POWER
3461	0.184084	12147	0.114831

CLIMB THRUST	GRADIENT AT FAR36 CUTBACK	THRUST FOR ENGINE OUT LEVEL FLIGHT	VZF (KCAS)
9581	0.067345	6923	201

NUMBER OF ENGINES	RATED THRUST LB	AIRCRAFT WEIGHT (LB)	STAGE NUMBER
2	15100	96000	3

APPROACH PROFILE DATA (HEADWIND = 8 KT) 02-15-1992 15:35:18

AIRCRAFT ID NUMBER	AIRCRAFT AND ENGINE NAMES	AIRCRAFT CATEGORY
090	F100/TAY 650-15	JCOM

	DISTANCE FROM RW THRESHOLD (FT)	HEIGHT (FT)	SPEED (KTAS)	THRUST (LB)	FLAPS
POINT 1	113533	6000	273	914	TO
POINT 2	56289	3000	170	1780	INT2
POINT 3	27668	1500	146	2596	U INT
POINT 4	18127	1000	135	4339	D 42
POINT 5	-954	0	133	4185	D 42
POINT 6	-1282	0	126	9060	
POINT 7	-4234	0	30	1510	

NUMBER OF ENGINES	RATED THRUST LB	AIRCRAFT WEIGHT (LB)	GLIDE SLOPE
2	15100	79200	3.00

TAKEOFF SEGMENTS DATA (HEADWIND = 8 KT) 05-20-1991 16:00:05

AIRCRAFT ID NUMBER	AIRCRAFT AND ENGINE NAMES	AIRCRAFT CATEGORY
091	KC135R/CFM56-2B-1	JMIL

AIRCRAFT WEIGHT	STAGE NUMBER	NUMBER OF ENGINES
308000	1	4

SEG. NO.	TYPE	FLAP	START ALT (FT)	END ALT (FT)	CALIBRATED START SPEED (KCAS)	CALIBRATED END SPEED (KCAS)	SEG. LNGTH (FT)	THRST (LB)	R/C (FPM)	GRAD
1	TKOFF	20	0	0	16	197	11242	16657	0	0.00000
2	CLIMB	20	0	2000	197	197	20670	16879	1957	0.09676
3	ACCEL	20	2000	2529	197	207	8138	17055	1305	0.06184
4	ACCEL	INT	2529	2842	207	227	6814	16837	1000	0.04377
5	ACCEL	ZERO	2842	3220	227	250	9060	15161	1000	0.03962
6	CLIMB	ZERO	3220	5500	250	250	26357	15220	2337	0.08651
7	CLIMB	ZERO	5500	7500	250	250	25581	15647	2182	0.07818
8	CLIMB	ZERO	7500	10000	250	250	35901	16095	2012	0.06964

SEG. NO.	TYPE	FLAP	THRUST TYPE	VALUE
1	TKOFF	20	MAX TKOFF	
2	CLIMB	20	MAX TKOFF	
3	ACCEL	20	MAX TKOFF	
4	ACCEL	INT	MAX TKOFF	
5	ACCEL	ZERO	MAX CLIMB	
6	CLIMB	ZERO	MAX CLIMB	
7	CLIMB	ZERO	MAX CLIMB	
8	CLIMB	ZERO	MAX CLIMB	

TAKEOFF PROFILE DATA (HEADWIND = 8 KT) 05-20-1991 16:00:16

AIRCRAFT ID NUMBER	AIRCRAFT AND ENGINE NAMES	AIRCRAFT CATEGORY
091	KC135R/CFM56-2B-1	JMIL

	DISTANCE FROM BRAKE RELEASE (FT)	HEIGHT (FT)	SPEED (KTAS)	THRUST (LB)
POINT 1	0	0	16	20391
POINT 2	11242	0	197	16657
POINT 3	31913	2000	203	17101
POINT 4	40051	2529	215	17009
POINT 5	46865	2842	237	16665
POINT 6	47865	2884	240	15330
POINT 7	55925	3220	262	14993
POINT 8	82282	5500	271	15447
POINT 9	107863	7500	280	15846
POINT 10	143764	10000	291	0

THRUST FOR LEVEL FLIGHT	GRADIENT AT TAKE-OFF POWER	TAKE-OFF THRUST	GRADIENT AT CLIMB POWER
9300	0.099266	16768	0.072195

CLIMB THRUST	GRADIENT AT FAR36 CUTBACK	THRUST FOR ENGINE OUT LEVEL FLIGHT	VZF (KCAS)
15801	0.040401	12400	227

NUMBER OF ENGINES	RATED THRUST LB	AIRCRAFT WEIGHT (LB)	STAGE NUMBER
4	22000	308000	1

APPROACH PROFILE DATA (HEADWIND = 8 KT) 02-15-1992 13:06:51

AIRCRAFT ID NUMBER	AIRCRAFT AND ENGINE NAMES	AIRCRAFT CATEGORY
091	KC135R/CFM56-2B-1	JMIL

	DISTANCE FROM RW THRESHOLD (FT)	HEIGHT (FT)	SPEED (KTAS)	THRUST (LB)	FLAPS
POINT 1	113533	6000	273	1847	ZERO
POINT 2	56289	3000	202	2626	INT
POINT 3	27668	1500	187	3407	D 30
POINT 4	18127	1000	165	5590	D 50
POINT 5	-954	0	163	5392	D 50
POINT 6	-1449	0	155	13200	
POINT 7	-5900	0	30	2200	

NUMBER OF ENGINES	RATED THRUST LB	AIRCRAFT WEIGHT (LB)	GLIDE SLOPE
4	22000	220000	3.00

TAKEOFF SEGMENTS DATA (HEADWIND = 8 KT) 01-29-1992 11:13:35

AIRCRAFT ID NUMBER	AIRCRAFT AND ENGINE NAMES	AIRCRAFT CATEGORY
092	KC135B/JT3D-7	JMIL

AIRCRAFT WEIGHT	STAGE NUMBER	NUMBER OF ENGINES
285000	1	4

SEG. NO.	TYPE	FLAP	START ALT (FT)	END ALT (FT)	CALIBRATED START SPEED (KCAS)	CALIBRATED END SPEED (KCAS)	SEG. LNGTH (FT)	THRST (LB)	R/C (FPM)	GRAD
1	TKOFF	20	0	0	16	182	9308	15276	0	0.00000
2	CLIMB	20	0	2000	182	182	15689	15462	2389	0.12748
3	ACCEL	20	2000	2420	182	192	4906	15631	1593	0.08161
4	ACCEL	INTR	2420	2795	192	212	6339	15492	1195	0.05629
5	ACCEL	ZERO	2795	3344	212	250	12765	12883	1000	0.04087
6	CLIMB	ZERO	3344	5500	250	250	22677	12900	2571	0.09508
7	CLIMB	ZERO	5500	7500	250	250	22583	13335	2472	0.08856
8	CLIMB	ZERO	7500	10000	250	250	30479	13857	2370	0.08202

SEG. NO.	TYPE	FLAP	THRUST TYPE	VALUE
1	TKOFF	20	MAX TKOFF	
2	CLIMB	20	MAX TKOFF	
3	ACCEL	20	MAX TKOFF	
4	ACCEL	INTR	MAX TKOFF	
5	ACCEL	ZERO	MAX CLIMB	
6	CLIMB	ZERO	MAX CLIMB	
7	CLIMB	ZERO	MAX CLIMB	
8	CLIMB	ZERO	MAX CLIMB	

TAKEOFF PROFILE DATA (HEADWIND = 8 KT) 01-29-1992 11:13:42

AIRCRAFT ID NUMBER	AIRCRAFT AND ENGINE NAMES	AIRCRAFT CATEGORY
092	KC135B/JT3D-7	JMIL

	DISTANCE FROM BRAKE RELEASE (FT)	HEIGHT (FT)	SPEED (KTAS)	THRUST (LB)
POINT 1	0	0	16	17768
POINT 2	9308	0	182	15276
POINT 3	24997	2000	188	15660
POINT 4	29903	2420	199	15602
POINT 5	36242	2795	221	15382
POINT 6	37242	2838	224	13075
POINT 7	49007	3344	263	12692
POINT 8	71684	5500	271	13120
POINT 9	94267	7500	280	13560
POINT 10	124746	10000	291	0

THRUST FOR LEVEL FLIGHT	GRADIENT AT TAKE-OFF POWER	TAKE-OFF THRUST	GRADIENT AT CLIMB POWER
6235	0.130093	15367	0.088821

CLIMB THRUST	GRADIENT AT FAR36 CUTBACK	THRUST FOR ENGINE OUT LEVEL FLIGHT	VZF (KCAS)
13399	0.040401	8314	212

NUMBER OF ENGINES	RATED THRUST LB	AIRCRAFT WEIGHT (LB)	STAGE NUMBER
4	19000	285000	1

APPROACH PROFILE DATA (HEADWIND = 8 KT) 02-15-1992 13:07:53

AIRCRAFT ID NUMBER	AIRCRAFT AND ENGINE NAMES	AIRCRAFT CATEGORY
092	KC135B/JT3D-7	JMIL

	DISTANCE FROM RW THRESHOLD (FT)	HEIGHT (FT)	SPEED (KTAS)	THRUST (LB)	FLAPS
POINT 1	113533	6000	273	223	ZERO
POINT 2	56289	3000	195	1689	INTR
POINT 3	27668	1500	181	3008	D 30
POINT 4	18127	1000	159	4697	D 50
POINT 5	-954	0	157	4530	D 50
POINT 6	-1461	0	149	11400	
POINT 7	-6020	0	30	1900	

NUMBER OF ENGINES	RATED THRUST LB	AIRCRAFT WEIGHT (LB)	GLIDE SLOPE
4	19000	205000	3.00

TAKEOFF SEGMENTS DATA (HEADWIND = 8 KT) 06-19-1991 12:42:28

AIRCRAFT ID NUMBER	AIRCRAFT AND ENGINE NAMES	AIRCRAFT CATEGORY
093	B727-200/JT8D-17,217	JCOM

AIRCRAFT WEIGHT	STAGE NUMBER	NUMBER OF ENGINES
156000	1	3

SEG. NO.	TYPE	FLAP	START ALT (FT)	END ALT (FT)	CALIBRATED START SPEED (KCAS)	CALIBRATED END SPEED (KCAS)	SEG. LNGTH (FT)	THRST (LB)	R/C (FPM)	GRAD
1	TKOFF	5	0	0	16	153	3244	16369	0	0.00000
2	CLIMB	5	0	1000	153	153	4881	16446	3200	0.20488
3	ACCEL	5	1000	1261	153	170	2582	16434	1600	0.09663
4	ACCEL	2	1261	1619	170	200	4060	16177	1600	0.08389
5	ACCEL	ZERO	1619	1689	200	210	1418	13306	1000	0.04706
6	CLIMB	ZERO	1689	3000	210	210	7905	13355	3652	0.16587
7	ACCEL	ZERO	3000	3305	210	250	7067	13300	1000	0.04100
8	CLIMB	ZERO	3305	5500	250	250	14839	13302	3999	0.14794
9	CLIMB	ZERO	5500	7500	250	250	14728	13573	3790	0.13579
10	CLIMB	ZERO	7500	10000	250	250	20274	13865	3563	0.12331

SEG. NO.	TYPE	FLAP	THRUST TYPE	VALUE
1	TKOFF	5	MAX TKOFF	
2	CLIMB	5	MAX TKOFF	
3	ACCEL	5	MAX TKOFF	
4	ACCEL	2	MAX TKOFF	
5	ACCEL	ZERO	MAX CLIMB	
6	CLIMB	ZERO	MAX CLIMB	
7	ACCEL	ZERO	MAX CLIMB	
8	CLIMB	ZERO	MAX CLIMB	
9	CLIMB	ZERO	MAX CLIMB	
10	CLIMB	ZERO	MAX CLIMB	

TAKEOFF PROFILE DATA (HEADWIND = 8 KT) 06-19-1991 12:42:31

AIRCRAFT ID NUMBER	AIRCRAFT AND ENGINE NAMES	AIRCRAFT CATEGORY
093	B727-200/JT8D-17,217	JCOM

	DISTANCE FROM BRAKE RELEASE (FT)	HEIGHT (FT)	SPEED (KTAS)	THRUST (LB)
POINT 1	0	0	16	18156
POINT 2	3244	0	153	16369
POINT 3	8124	1000	155	16524
POINT 4	10706	1261	173	16345
POINT 5	14766	1619	205	16009
POINT 6	15766	1668	212	13341
POINT 7	16185	1689	215	13270
POINT 8	24090	3000	220	13440
POINT 9	31156	3305	263	13159
POINT 10	45995	5500	271	13444
POINT 11	60723	7500	280	13703
POINT 12	80998	10000	291	0

THRUST FOR LEVEL FLIGHT	GRADIENT AT TAKE-OFF POWER	TAKE-OFF THRUST	GRADIENT AT CLIMB POWER
6055	0.204883	16446	0.133430

CLIMB THRUST	GRADIENT AT FAR36 CUTBACK	THRUST FOR ENGINE OUT LEVEL FLIGHT	VZF (KCAS)
13831	0.054329	9082	210

NUMBER OF ENGINES	RATED THRUST LB	AIRCRAFT WEIGHT (LB)	STAGE NUMBER
3	19233	156000	1

TAKEOFF SEGMENTS DATA (HEADWIND = 8 KT) 06-19-1991 12:44:07

AIRCRAFT ID NUMBER	AIRCRAFT AND ENGINE NAMES	AIRCRAFT CATEGORY
093	B727-200/JT8D-17,217	JCOM

AIRCRAFT WEIGHT	STAGE NUMBER	NUMBER OF ENGINES
164000	2	3

SEG. NO.	TYPE	FLAP	START ALT (FT)	END ALT (FT)	CALIBRATED START SPEED (KCAS)	CALIBRATED END SPEED (KCAS)	SEG. LNGTH (FT)	THRST (LB)	R/C (FPM)	GRAD
1	TKOFF	5	0	0	16	157	3596	16318	0	0.00000
2	CLIMB	5	0	1000	157	157	5327	16396	3007	0.18772
3	ACCEL	5	1000	1207	157	170	2205	16405	1504	0.08973
4	ACCEL	2	1207	1570	170	200	4376	16169	1504	0.07889
5	ACCEL	ZERO	1570	1647	200	210	1557	13300	1000	0.04710
6	CLIMB	ZERO	1647	3000	210	210	8751	13353	3404	0.15464
7	ACCEL	ZERO	3000	3336	210	250	7797	13302	1000	0.04099
8	CLIMB	ZERO	3336	5500	250	250	15742	13304	3716	0.13745
9	CLIMB	ZERO	5500	7500	250	250	15868	13573	3517	0.12604
10	CLIMB	ZERO	7500	10000	250	250	21891	13865	3300	0.11420

SEG. NO.	TYPE	FLAP	THRUST TYPE	VALUE
1	TKOFF	5	MAX TKOFF	
2	CLIMB	5	MAX TKOFF	
3	ACCEL	5	MAX TKOFF	
4	ACCEL	2	MAX TKOFF	
5	ACCEL	ZERO	MAX CLIMB	
6	CLIMB	ZERO	MAX CLIMB	
7	ACCEL	ZERO	MAX CLIMB	
8	CLIMB	ZERO	MAX CLIMB	
9	CLIMB	ZERO	MAX CLIMB	
10	CLIMB	ZERO	MAX CLIMB	

TAKEOFF PROFILE DATA (HEADWIND = 8 KT) 06-19-1991 12:44:10

AIRCRAFT ID NUMBER	AIRCRAFT AND ENGINE NAMES	AIRCRAFT CATEGORY
093	B727-200/JT8D-17,217	JCOM

	DISTANCE FROM BRAKE RELEASE (FT)	HEIGHT (FT)	SPEED (KTAS)	THRUST (LB)
POINT 1	0	0	16	18156
POINT 2	3596	0	157	16318
POINT 3	8923	1000	159	16474
POINT 4	11128	1207	173	16336
POINT 5	15504	1570	205	16001
POINT 6	16504	1619	211	13335
POINT 7	17060	1647	215	13265
POINT 8	25811	3000	220	13440
POINT 9	33608	3336	263	13164
POINT 10	49350	5500	271	13444
POINT 11	65219	7500	280	13703
POINT 12	87110	10000	291	0

THRUST FOR LEVEL FLIGHT	GRADIENT AT TAKE-OFF POWER	TAKE-OFF THRUST	GRADIENT AT CLIMB POWER
6365	0.187715	16396	0.120638

CLIMB THRUST	GRADIENT AT FAR36 CUTBACK	THRUST FOR ENGINE OUT LEVEL FLIGHT	VZF (KCAS)
13800	0.054329	9548	210

NUMBER OF ENGINES	RATED THRUST LB	AIRCRAFT WEIGHT (LB)	STAGE NUMBER
3	19233	164000	2

TAKEOFF SEGMENTS DATA (HEADWIND = 8 KT) 06-19-1991 12:47:09

AIRCRAFT ID NUMBER	AIRCRAFT AND ENGINE NAMES	AIRCRAFT CATEGORY
093	B727-200/JT8D-17,217	JCOM

AIRCRAFT WEIGHT	STAGE NUMBER	NUMBER OF ENGINES
175000	3	3

SEG. NO.	TYPE	FLAP	START ALT (FT)	END ALT (FT)	CALIBRATED START SPEED (KCAS)	CALIBRATED END SPEED (KCAS)	SEG. LNGTH (FT)	THRST (LB)	R/C (FPM)	GRAD
1	TKOFF	5	0	0	16	162	4111	16251	0	0.00000
2	CLIMB	5	0	1000	162	162	5991	16328	2762	0.16692
3	ACCEL	5	1000	1211	162	175	2521	16339	1381	0.07984
4	ACCEL	2	1211	1578	175	205	4951	16105	1381	0.07048
5	ACCEL	ZERO	1578	1665	205	215	1815	13262	1000	0.04596
6	CLIMB	ZERO	1665	3000	215	215	9525	13314	3158	0.14013
7	ACCEL	ZERO	3000	3336	215	250	7872	13282	1000	0.04055
8	CLIMB	ZERO	3336	5500	250	250	17345	13304	3374	0.12478
9	CLIMB	ZERO	5500	7500	250	250	17525	13573	3185	0.11413
10	CLIMB	ZERO	7500	10000	250	250	24254	13865	2978	0.10308

SEG. NO.	TYPE	FLAP	THRUST TYPE	VALUE
1	TKOFF	5	MAX TKOFF	
2	CLIMB	5	MAX TKOFF	
3	ACCEL	5	MAX TKOFF	
4	ACCEL	2	MAX TKOFF	
5	ACCEL	ZERO	MAX CLIMB	
6	CLIMB	ZERO	MAX CLIMB	
7	ACCEL	ZERO	MAX CLIMB	
8	CLIMB	ZERO	MAX CLIMB	
9	CLIMB	ZERO	MAX CLIMB	
10	CLIMB	ZERO	MAX CLIMB	

TAKEOFF PROFILE DATA (HEADWIND = 8 KT) 06-19-1991 12:47:14

AIRCRAFT ID NUMBER	AIRCRAFT AND ENGINE NAMES	AIRCRAFT CATEGORY
093	B727-200/JT8D-17,217	JCOM

	DISTANCE FROM BRAKE RELEASE (FT)	HEIGHT (FT)	SPEED (KTAS)	THRUST (LB)
POINT 1	0	0	16	18156
POINT 2	4111	0	162	16251
POINT 3	10102	1000	165	16406
POINT 4	12623	1211	178	16272
POINT 5	17574	1578	210	15938
POINT 6	18574	1626	216	13296
POINT 7	19389	1665	220	13227
POINT 8	28914	3000	225	13400
POINT 9	36787	3336	263	13163
POINT 10	54131	5500	271	13444
POINT 11	71656	7500	280	13703
POINT 12	95909	10000	291	0

THRUST FOR LEVEL FLIGHT	GRADIENT AT TAKE-OFF POWER	TAKE-OFF THRUST	GRADIENT AT CLIMB POWER
6792	0.166922	16328	0.105057

CLIMB THRUST	GRADIENT AT FAR36 CUTBACK	THRUST FOR ENGINE OUT LEVEL FLIGHT	VZF (KCAS)
13758	0.054329	10189	215

NUMBER OF ENGINES	RATED THRUST LB	AIRCRAFT WEIGHT (LB)	STAGE NUMBER
3	19233	175000	3

TAKEOFF SEGMENTS DATA (HEADWIND = 8 KT) 06-19-1991 12:48:26

AIRCRAFT ID NUMBER	AIRCRAFT AND ENGINE NAMES	AIRCRAFT CATEGORY
093	B727-200/JT8D-17 B217	JCOM

AIRCRAFT WEIGHT	STAGE NUMBER	NUMBER OF ENGINES
189000	4	3

SEG. NO.	TYPE	FLAP	START ALT (FT)	END ALT (FT)	CALIBRATED START SPEED (KCAS)	CALIBRATED END SPEED (KCAS)	SEG. LNGTH (FT)	THRST (LB)	R/C (FPM)	GRAD
1	TKOFF	5	0	0	16	169	4820	16168	0	0.00000
2	CLIMB	5	0	1000	169	169	6932	16246	2480	0.14425
3	ACCEL	5	1000	1197	169	180	2704	16264	1240	0.06930
4	ACCEL	2	1197	1567	180	210	5719	16037	1240	0.06164
5	ACCEL	ZERO	1567	1671	210	220	2190	13221	1000	0.04489
6	CLIMB	ZERO	1671	3000	220	220	10687	13274	2869	0.12440
7	ACCEL	ZERO	3000	3341	220	250	8084	13262	1000	0.04012
8	CLIMB	ZERO	3341	5500	250	250	19479	13304	2997	0.11083
9	CLIMB	ZERO	5500	7500	250	250	19797	13573	2819	0.10103
10	CLIMB	ZERO	7500	10000	250	250	27522	13865	2625	0.09084

SEG. NO.	TYPE	FLAP	THRUST TYPE	VALUE
1	TKOFF	5	MAX TKOFF	
2	CLIMB	5	MAX TKOFF	
3	ACCEL	5	MAX TKOFF	
4	ACCEL	2	MAX TKOFF	
5	ACCEL	ZERO	MAX CLIMB	
6	CLIMB	ZERO	MAX CLIMB	
7	ACCEL	ZERO	MAX CLIMB	
8	CLIMB	ZERO	MAX CLIMB	
9	CLIMB	ZERO	MAX CLIMB	
10	CLIMB	ZERO	MAX CLIMB	

TAKEOFF PROFILE DATA (HEADWIND = 8 KT) 06-19-1991 12:48:31

AIRCRAFT ID NUMBER	AIRCRAFT AND ENGINE NAMES	AIRCRAFT CATEGORY
093	B727-200/JT8D-17,217	JCOM

	DISTANCE FROM BRAKE RELEASE (FT)	HEIGHT (FT)	SPEED (KTAS)	THRUST (LB)
POINT 1	0	0	16	18156
POINT 2	4820	0	169	16168
POINT 3	11753	1000	171	16323
POINT 4	14457	1197	183	16204
POINT 5	20176	1567	215	15871
POINT 6	21176	1614	220	13255
POINT 7	22366	1671	225	13188
POINT 8	33053	3000	230	13360
POINT 9	41137	3341	263	13164
POINT 10	60616	5500	271	13444
POINT 11	80412	7500	280	13703
POINT 12	107935	10000	291	0

THRUST FOR LEVEL FLIGHT	GRADIENT AT TAKE-OFF POWER	TAKE-OFF THRUST	GRADIENT AT CLIMB POWER
7336	0.144249	16246	0.087963

CLIMB THRUST	GRADIENT AT FAR36 CUTBACK	THRUST FOR ENGINE OUT LEVEL FLIGHT	VZF (KCAS)
13707	0.054329	11004	220

NUMBER OF ENGINES	RATED THRUST LB	AIRCRAFT WEIGHT (LB)	STAGE NUMBER
3	19233	189000	4

TAKEOFF SEGMENTS DATA (HEADWIND = 8 KT) 06-19-1991 12:50:16

AIRCRAFT ID NUMBER	AIRCRAFT AND ENGINE NAMES	AIRCRAFT CATEGORY
093	B727-200/JT8D-17,217	JCOM

AIRCRAFT WEIGHT	STAGE NUMBER	NUMBER OF ENGINES
204000	5	3

SEG. NO.	TYPE	FLAP	START ALT (FT)	END ALT (FT)	CALIBRATED START SPEED (KCAS)	CALIBRATED END SPEED (KCAS)	SEG. LNGTH (FT)	THRST (LB)	R/C (FPM)	GRAD
1	TKOFF	5	0	0	16	175	5645	16082	0	0.00000
2	CLIMB	5	0	1000	175	175	8087	16160	2209	0.12365
3	ACCEL	5	1000	1088	175	180	1386	16213	1105	0.06064
4	ACCEL	2	1088	1460	180	210	6432	16021	1105	0.05499
5	ACCEL	ZERO	1460	1583	210	220	2610	13209	1000	0.04496
6	CLIMB	ZERO	1583	3000	220	220	12784	13268	2554	0.11080
7	ACCEL	ZERO	3000	3413	220	250	9783	13267	1000	0.04010
8	CLIMB	ZERO	3413	5500	250	250	21316	13309	2649	0.09793
9	CLIMB	ZERO	5500	7500	250	250	22464	13573	2485	0.08903
10	CLIMB	ZERO	7500	10000	250	250	31399	13865	2301	0.07962

SEG. NO.	TYPE	FLAP	THRUST TYPE	VALUE
1	TKOFF	5	MAX TKOFF	
2	CLIMB	5	MAX TKOFF	
3	ACCEL	5	MAX TKOFF	
4	ACCEL	2	MAX TKOFF	
5	ACCEL	ZERO	MAX CLIMB	
6	CLIMB	ZERO	MAX CLIMB	
7	ACCEL	ZERO	MAX CLIMB	
8	CLIMB	ZERO	MAX CLIMB	
9	CLIMB	ZERO	MAX CLIMB	
10	CLIMB	ZERO	MAX CLIMB	

TAKEOFF PROFILE DATA (HEADWIND = 8 KT) 06-19-1991 12:50:23

AIRCRAFT ID NUMBER	AIRCRAFT AND ENGINE NAMES	AIRCRAFT CATEGORY
093	B727-200/JT8D-17,217	JCOM

	DISTANCE FROM BRAKE RELEASE (FT)	HEIGHT (FT)	SPEED (KTAS)	THRUST (LB)
POINT 1	0	0	16	18156
POINT 2	5645	0	175	16082
POINT 3	13733	1000	178	16238
POINT 4	15118	1088	183	16187
POINT 5	21551	1460	215	15854
POINT 6	22551	1507	219	13241
POINT 7	24161	1583	225	13177
POINT 8	36945	3000	230	13360
POINT 9	46729	3413	263	13173
POINT 10	68045	5500	271	13444
POINT 11	90509	7500	280	13703
POINT 12	121908	10000	291	0

THRUST FOR LEVEL FLIGHT	GRADIENT AT TAKE-OFF POWER	TAKE-OFF THRUST	GRADIENT AT CLIMB POWER
7918	0.123650	16160	0.072348

CLIMB THRUST	GRADIENT AT FAR36 CUTBACK	THRUST FOR ENGINE OUT LEVEL FLIGHT	VZF (KCAS)
13655	0.054329	11877	220

NUMBER OF ENGINES	RATED THRUST LB	AIRCRAFT WEIGHT (LB)	STAGE NUMBER
3	19233	204000	5

APPROACH PROFILE DATA (HEADWIND = 8 KT) 02-15-1992 12:47:35

AIRCRAFT ID NUMBER	AIRCRAFT AND ENGINE NAMES	AIRCRAFT CATEGORY
093	B727-200/JT8D-17,217	JCOM

	DISTANCE FROM RW THRESHOLD (FT)	HEIGHT (FT)	SPEED (KTAS)	THRUST (LB)	FLAPS
POINT 1	113533	6000	273	785	ZERO
POINT 2	56289	3000	165	3353	5
POINT 3	27668	1500	152	4716	U 30
POINT 4	18127	1000	140	5116	D 30
POINT 5	-954	0	138	4934	D 30
POINT 6	-1334	0	131	11540	
POINT 7	-4755	0	30	1923	

NUMBER OF ENGINES	RATED THRUST LB	AIRCRAFT WEIGHT (LB)	GLIDE SLOPE
3	19233	147600	3.00

TAKEOFF SEGMENTS DATA (HEADWIND = 8 KT) 06-26-1991 14:42:24

AIRCRAFT ID NUMBER	AIRCRAFT AND ENGINE NAMES	AIRCRAFT CATEGORY
094	B727-100/JT8D-7,219	JCOM

AIRCRAFT WEIGHT	STAGE NUMBER	NUMBER OF ENGINES
136000	1	3

SEG. NO.	TYPE	FLAP	START ALT (FT)	END ALT (FT)	CALIBRATED START SPEED (KCAS)	CALIBRATED END SPEED (KCAS)	SEG. LNGTH (FT)	THRST (LB)	R/C (FPM)	GRAD
1	TKOFF	5	0	0	16	148	3004	16326	0	0.00000
2	CLIMB	5	0	1000	148	148	4260	16353	3555	0.23474
3	ACCEL	5	1000	1178	148	160	1513	16310	1778	0.11274
4	ACCEL	2	1178	1521	160	190	3305	16056	1778	0.09882
5	ACCEL	ZERO	1521	1574	190	200	1035	13501	1000	0.04956
6	CLIMB	ZERO	1574	3000	200	200	6506	13572	4590	0.21910
7	ACCEL	ZERO	3000	3291	200	250	6604	13519	1000	0.04192
8	CLIMB	ZERO	3291	5500	250	250	12019	13522	4967	0.18377
9	CLIMB	ZERO	5500	7500	250	250	11781	13824	4738	0.16976
10	CLIMB	ZERO	7500	10000	250	250	16090	14148	4490	0.15538

SEG. NO.	TYPE	FLAP	THRUST TYPE	VALUE
1	TKOFF	5	MAX TKOFF	
2	CLIMB	5	MAX TKOFF	
3	ACCEL	5	MAX TKOFF	
4	ACCEL	2	MAX TKOFF	
5	ACCEL	ZERO	MAX CLIMB	
6	CLIMB	ZERO	MAX CLIMB	
7	ACCEL	ZERO	MAX CLIMB	
8	CLIMB	ZERO	MAX CLIMB	
9	CLIMB	ZERO	MAX CLIMB	
10	CLIMB	ZERO	MAX CLIMB	

TAKEOFF PROFILE DATA (HEADWIND = 8 KT) 06-26-1991 14:42:37

AIRCRAFT ID NUMBER	AIRCRAFT AND ENGINE NAMES	AIRCRAFT CATEGORY
094	B727-100/JT8D-7,219	JCOM

	DISTANCE FROM BRAKE RELEASE (FT)	HEIGHT (FT)	SPEED (KTAS)	THRUST (LB)
POINT 1	0	0	16	18036
POINT 2	3004	0	148	16326
POINT 3	7264	1000	151	16380
POINT 4	8777	1178	163	16240
POINT 5	12082	1521	194	15871
POINT 6	13082	1573	204	13533
POINT 7	13117	1574	205	13470
POINT 8	19623	3000	209	13675
POINT 9	26228	3291	262	13364
POINT 10	38247	5500	271	13681
POINT 11	50028	7500	280	13968
POINT 12	66118	10000	291	0

THRUST FOR LEVEL FLIGHT	GRADIENT AT TAKE-OFF POWER	TAKE-OFF THRUST	GRADIENT AT CLIMB POWER
6039	0.234741	16353	0.156701

CLIMB THRUST	GRADIENT AT FAR36 CUTBACK	THRUST FOR ENGINE OUT LEVEL FLIGHT	VZF (KCAS)
13967	0.062182	9058	200

NUMBER OF ENGINES	RATED THRUST LB	AIRCRAFT WEIGHT (LB)	STAGE NUMBER
3	19133	136000	1

TAKEOFF SEGMENTS DATA (HEADWIND = 8 KT) 06-26-1991 14:43:52

AIRCRAFT ID NUMBER	AIRCRAFT AND ENGINE NAMES	AIRCRAFT CATEGORY
094	B727-100/JT8D-7,219	JCOM

AIRCRAFT WEIGHT	STAGE NUMBER	NUMBER OF ENGINES
143000	2	3

SEG. NO.	TYPE	FLAP	START ALT (FT)	END ALT (FT)	CALIBRATED START SPEED (KCAS)	CALIBRATED END SPEED (KCAS)	SEG. LNGTH (FT)	THRST (LB)	R/C (FPM)	GRAD
1	TKOFF	5	0	0	16	152	3331	16278	0	0.00000
2	CLIMB	5	0	1000	152	152	4656	16304	3336	0.21479
3	ACCEL	5	1000	1123	152	160	1127	16284	1668	0.10444
4	ACCEL	2	1123	1468	160	190	3547	16053	1668	0.09272
5	ACCEL	ZERO	1468	1527	190	200	1125	13494	1000	0.04960
6	CLIMB	ZERO	1527	3000	200	200	7197	13569	4287	0.20472
7	ACCEL	ZERO	3000	3318	200	250	7207	13521	1000	0.04191
8	CLIMB	ZERO	3318	5500	250	250	12738	13524	4631	0.17132
9	CLIMB	ZERO	5500	7500	250	250	12646	13824	4414	0.15816
10	CLIMB	ZERO	7500	10000	250	250	17295	14148	4177	0.14455

SEG. NO.	TYPE	FLAP	THRUST TYPE	VALUE
1	TKOFF	5	MAX TKOFF	
2	CLIMB	5	MAX TKOFF	
3	ACCEL	5	MAX TKOFF	
4	ACCEL	2	MAX TKOFF	
5	ACCEL	ZERO	MAX CLIMB	
6	CLIMB	ZERO	MAX CLIMB	
7	ACCEL	ZERO	MAX CLIMB	
8	CLIMB	ZERO	MAX CLIMB	
9	CLIMB	ZERO	MAX CLIMB	
10	CLIMB	ZERO	MAX CLIMB	

TAKEOFF PROFILE DATA (HEADWIND = 8 KT) 06-26-1991 14:43:57

AIRCRAFT ID NUMBER	AIRCRAFT AND ENGINE NAMES	AIRCRAFT CATEGORY
094	B727-100/JT8D-7,219	JCOM

	DISTANCE FROM BRAKE RELEASE (FT)	HEIGHT (FT)	SPEED (KTAS)	THRUST (LB)
POINT 1	0	0	16	18036
POINT 2	3331	0	152	16278
POINT 3	7987	1000	154	16331
POINT 4	9114	1123	163	16237
POINT 5	12660	1468	194	15868
POINT 6	13660	1520	203	13525
POINT 7	13785	1527	205	13463
POINT 8	20982	3000	209	13675
POINT 9	28189	3318	263	13368
POINT 10	40928	5500	271	13681
POINT 11	53573	7500	280	13968
POINT 12	70868	10000	291	0

THRUST FOR LEVEL FLIGHT	GRADIENT AT TAKE-OFF POWER	TAKE-OFF THRUST	GRADIENT AT CLIMB POWER
6350	0.214789	16304	0.141794

CLIMB THRUST	GRADIENT AT FAR36 CUTBACK	THRUST FOR ENGINE OUT LEVEL FLIGHT	VZF (KCAS)
13940	0.062182	9525	200

NUMBER OF ENGINES	RATED THRUST LB	AIRCRAFT WEIGHT (LB)	STAGE NUMBER
3	19133	143000	2

TAKEOFF SEGMENTS DATA (HEADWIND = 8 KT) 06-26-1991 14:45:31

AIRCRAFT ID NUMBER	AIRCRAFT AND ENGINE NAMES	AIRCRAFT CATEGORY
094	B727-100/JT8D-7,219	JCOM

AIRCRAFT WEIGHT	STAGE NUMBER	NUMBER OF ENGINES
150000	3	3

SEG. NO.	TYPE	FLAP	START ALT (FT)	END ALT (FT)	CALIBRATED START SPEED (KCAS)	CALIBRATED END SPEED (KCAS)	SEG. LNGTH (FT)	THRST (LB)	R/C (FPM)	GRAD
1	TKOFF	5	0	0	16	156	3676	16230	0	0.00000
2	CLIMB	5	0	1000	156	156	5078	16257	3133	0.19693
3	ACCEL	5	1000	1147	156	165	1473	16229	1567	0.09536
4	ACCEL	2	1147	1493	165	195	3902	15989	1567	0.08460
5	ACCEL	ZERO	1493	1557	195	205	1255	13463	1000	0.04834
6	CLIMB	ZERO	1557	3000	205	205	8055	13536	3846	0.17912
7	ACCEL	ZERO	3000	3311	205	250	7135	13503	1000	0.04145
8	CLIMB	ZERO	3311	5500	250	250	13664	13524	4331	0.16020
9	CLIMB	ZERO	5500	7500	250	250	13542	13824	4122	0.14769
10	CLIMB	ZERO	7500	10000	250	250	18549	14148	3894	0.13478

SEG. NO.	TYPE	FLAP	THRUST TYPE	VALUE
1	TKOFF	5	MAX TKOFF	
2	CLIMB	5	MAX TKOFF	
3	ACCEL	5	MAX TKOFF	
4	ACCEL	2	MAX TKOFF	
5	ACCEL	ZERO	MAX CLIMB	
6	CLIMB	ZERO	MAX CLIMB	
7	ACCEL	ZERO	MAX CLIMB	
8	CLIMB	ZERO	MAX CLIMB	
9	CLIMB	ZERO	MAX CLIMB	
10	CLIMB	ZERO	MAX CLIMB	

TAKEOFF PROFILE DATA (HEADWIND = 8 KT) 06-26-1991 14:45:34

AIRCRAFT ID NUMBER	AIRCRAFT AND ENGINE NAMES	AIRCRAFT CATEGORY
094	B727-100/JT8D-7,219	JCOM

	DISTANCE FROM BRAKE RELEASE (FT)	HEIGHT (FT)	SPEED (KTAS)	THRUST (LB)
POINT 1	0	0	16	18036
POINT 2	3676	0	156	16230
POINT 3	8754	1000	158	16283
POINT 4	10227	1147	168	16174
POINT 5	14128	1493	199	15805
POINT 6	15128	1544	208	13494
POINT 7	15383	1557	210	13432
POINT 8	23438	3000	214	13639
POINT 9	30573	3311	263	13367
POINT 10	44237	5500	271	13681
POINT 11	57779	7500	280	13968
POINT 12	76328	10000	291	0

THRUST FOR LEVEL FLIGHT	GRADIENT AT TAKE-OFF POWER	TAKE-OFF THRUST	GRADIENT AT CLIMB POWER
6660	0.196935	16257	0.128370

CLIMB THRUST	GRADIENT AT FAR36 CUTBACK	THRUST FOR ENGINE OUT LEVEL FLIGHT	VZF (KCAS)
13914	0.062182	9991	205

NUMBER OF ENGINES	RATED THRUST LB	AIRCRAFT WEIGHT (LB)	STAGE NUMBER
3	19133	150000	3

TAKEOFF SEGMENTS DATA (HEADWIND = 8 KT) 06-26-1991 14:50:08

AIRCRAFT ID NUMBER	AIRCRAFT AND ENGINE NAMES	AIRCRAFT CATEGORY
094	B727-100/JT8D-7,219	JCOM

AIRCRAFT WEIGHT	STAGE NUMBER	NUMBER OF ENGINES
158000	4	3

SEG. NO.	TYPE	FLAP	START ALT (FT)	END ALT (FT)	CALIBRATED START SPEED (KCAS)	CALIBRATED END SPEED (KCAS)	SEG. LNGTH (FT)	THRST (LB)	R/C (FPM)	GRAD
1	TKOFF	5	0	0	16	160	4092	16177	0	0.00000
2	CLIMB	5	0	1000	160	160	5597	16204	2917	0.17868
3	ACCEL	5	1000	1166	160	170	1832	16170	1459	0.08625
4	ACCEL	2	1166	1513	170	200	4322	15926	1459	0.07657
5	ACCEL	ZERO	1513	1583	200	210	1413	13431	1000	0.04714
6	CLIMB	ZERO	1583	3000	210	210	8541	13502	3650	0.16590
7	ACCEL	ZERO	3000	3304	210	250	7052	13485	1000	0.04101
8	CLIMB	ZERO	3304	5500	250	250	14762	13523	4021	0.14875
9	CLIMB	ZERO	5500	7500	250	250	14608	13824	3821	0.13692
10	CLIMB	ZERO	7500	10000	250	250	20047	14148	3603	0.12470

SEG. NO.	TYPE	FLAP	THRUST TYPE	VALUE
1	TKOFF	5	MAX TKOFF	
2	CLIMB	5	MAX TKOFF	
3	ACCEL	5	MAX TKOFF	
4	ACCEL	2	MAX TKOFF	
5	ACCEL	ZERO	MAX CLIMB	
6	CLIMB	ZERO	MAX CLIMB	
7	ACCEL	ZERO	MAX CLIMB	
8	CLIMB	ZERO	MAX CLIMB	
9	CLIMB	ZERO	MAX CLIMB	
10	CLIMB	ZERO	MAX CLIMB	

TAKEOFF PROFILE DATA (HEADWIND = 8 KT) 06-26-1991 14:50:12

AIRCRAFT ID NUMBER	AIRCRAFT AND ENGINE NAMES	AIRCRAFT CATEGORY
094	B727-100/JT8D-7,219	JCOM

	DISTANCE FROM BRAKE RELEASE (FT)	HEIGHT (FT)	SPEED (KTAS)	THRUST (LB)
POINT 1	0	0	16	18036
POINT 2	4092	0	160	16177
POINT 3	9688	1000	162	16230
POINT 4	11520	1166	173	16110
POINT 5	15842	1513	204	15742
POINT 6	16842	1563	212	13461
POINT 7	17255	1583	215	13401
POINT 8	25796	3000	220	13604
POINT 9	32848	3304	263	13366
POINT 10	47610	5500	271	13681
POINT 11	62218	7500	280	13968
POINT 12	82265	10000	291	0

THRUST FOR LEVEL FLIGHT	GRADIENT AT TAKE-OFF POWER	TAKE-OFF THRUST	GRADIENT AT CLIMB POWER
7016	0.178682	16204	0.114570

CLIMB THRUST	GRADIENT AT FAR36 CUTBACK	THRUST FOR ENGINE OUT LEVEL FLIGHT	VZF (KCAS)
13885	0.062182	10524	210

NUMBER OF ENGINES	RATED THRUST LB	AIRCRAFT WEIGHT (LB)	STAGE NUMBER
3	19133	158000	4

APPROACH PROFILE DATA (HEADWIND = 8 KT) 02-15-1992 12:48:35

AIRCRAFT ID NUMBER	AIRCRAFT AND ENGINE NAMES	AIRCRAFT CATEGORY
094	B727-100/JT8D-7,219	JCOM

	DISTANCE FROM RW THRESHOLD (FT)	HEIGHT (FT)	SPEED (KTAS)	THRUST (LB)	FLAPS
POINT 1	113533	6000	273	682	ZERO
POINT 2	56289	3000	161	3682	5
POINT 3	27668	1500	147	3853	U 30
POINT 4	18127	1000	136	4242	D 30
POINT 5	-954	0	134	4092	D 30
POINT 6	-1297	0	127	11480	
POINT 7	-4380	0	30	1913	

NUMBER OF ENGINES	RATED THRUST LB	AIRCRAFT WEIGHT (LB)	GLIDE SLOPE
3	19133	128250	3.00

TAKEOFF SEGMENTS DATA (HEADWIND = 8 KT) 06-12-1991 13:24:46

AIRCRAFT ID NUMBER	AIRCRAFT AND ENGINE NAMES	AIRCRAFT CATEGORY
095	CIT 3/TFE731-3-100S	JGA

AIRCRAFT WEIGHT	STAGE NUMBER	NUMBER OF ENGINES
20000	1	2

SEG. NO.	TYPE	FLAP	START ALT (FT)	END ALT (FT)	CALIBRATED START SPEED (KCAS)	CALIBRATED END SPEED (KCAS)	SEG. LNGTH (FT)	THRST (LB)	R/C (FPM)	GRAD
1	TKOFF	20	0	0	16	134	3062	2798	0	0.00000
2	ACCEL	20	0	188	134	149	2234	2776	1146	0.08012
3	CLIMB	20	188	1500	149	149	8185	2796	2449	0.16032
4	ACCEL	10	1500	1755	149	174	3538	2799	1146	0.06857
5	CLIMB	ZERO	1755	3000	174	174	7561	2518	3006	0.16470
6	ACCEL	ZERO	3000	4429	174	250	20525	2456	1503	0.06627
7	CLIMB	ZERO	4429	5500	250	250	8680	2388	3365	0.12342
8	CLIMB	ZERO	5500	7500	250	250	16925	2461	3298	0.11817
9	CLIMB	ZERO	7500	10000	250	250	22811	2559	3167	0.10960

SEG. NO.	TYPE	FLAP	THRUST TYPE	VALUE
1	TKOFF	20	MAX TKOFF	
2	ACCEL	20	MAX TKOFF	
3	CLIMB	20	MAX TKOFF	
4	ACCEL	10	MAX TKOFF	
5	CLIMB	ZERO	MAX CLIMB	
6	ACCEL	ZERO	MAX CLIMB	
7	CLIMB	ZERO	MAX CLIMB	
8	CLIMB	ZERO	MAX CLIMB	
9	CLIMB	ZERO	MAX CLIMB	

TAKEOFF PROFILE DATA (HEADWIND = 8 KT) 06-12-1991 13:24:52

AIRCRAFT ID NUMBER	AIRCRAFT AND ENGINE NAMES	AIRCRAFT CATEGORY
095	CIT 3/TFE731-3-100S	JGA

	DISTANCE FROM BRAKE RELEASE (FT)	HEIGHT (FT)	SPEED (KTAS)	THRUST (LB)
POINT 1	0	0	16	3257
POINT 2	3062	0	134	2798
POINT 3	5296	188	149	2753
POINT 4	13481	1500	152	2839
POINT 5	17019	1755	179	2758
POINT 6	18019	1919	179	2482
POINT 7	24580	3000	182	2552
POINT 8	45105	4429	267	2361
POINT 9	53785	5500	271	2414
POINT 10	70710	7500	280	2506
POINT 11	93521	10000	291	0

THRUST FOR LEVEL FLIGHT	GRADIENT AT TAKE-OFF POWER	TAKE-OFF THRUST	GRADIENT AT CLIMB POWER
1192	0.167554	2832	0.131135

CLIMB THRUST	GRADIENT AT FAR36 CUTBACK	THRUST FOR ENGINE OUT LEVEL FLIGHT	VZF (KCAS)
2664	0.111734	2383	174

NUMBER OF ENGINES	RATED THRUST LB	AIRCRAFT WEIGHT (LB)	STAGE NUMBER
2	3650	20000	1

APPROACH PROFILE DATA (HEADWIND = 8 KT) 02-15-1992 16:01:19

AIRCRAFT ID NUMBER	AIRCRAFT AND ENGINE NAMES	AIRCRAFT CATEGORY
095	CIT 3/TFE731-3-100S	JGA

	DISTANCE FROM RW THRESHOLD (FT)	HEIGHT (FT)	SPEED (KTAS)	THRUST (LB)	FLAPS
POINT 1	113533	6000	273	183	ZERO
POINT 2	56289	3000	146	354	10
POINT 3	27668	1500	132	646	D INTR
POINT 4	18127	1000	121	764	D 40
POINT 5	-954	0	120	737	D 40
POINT 6	-1108	0	113	2190	
POINT 7	-2493	0	30	365	

NUMBER OF ENGINES	RATED THRUST LB	AIRCRAFT WEIGHT (LB)	GLIDE SLOPE
2	3650	15300	3.00

TAKEOFF SEGMENTS DATA (HEADWIND = 8 KT) 06-12-1991 13:18:39

AIRCRAFT ID NUMBER	AIRCRAFT AND ENGINE NAMES	AIRCRAFT CATEGORY
096	GIV/TAY 611	JGA

AIRCRAFT WEIGHT	STAGE NUMBER	NUMBER OF ENGINES
71700	1	2

SEG. NO.	TYPE	FLAP	START ALT (FT)	END ALT (FT)	CALIBRATED START SPEED (KCAS)	CALIBRATED END SPEED (KCAS)	SEG. LNGTH (FT)	THRST (LB)	R/C (FPM)	GRAD
1	TKOFF	20	0	0	16	159	4190	10812	0	0.00000
2	ACCEL	20	0	221	159	174	2103	10708	1691	0.10055
3	CLIMB	20	221	1500	174	174	6449	10642	3538	0.19825
4	ACCEL	INTR	1500	1873	174	199	4062	10504	1691	0.08766
5	CLIMB	ZERO	1873	3000	199	199	6761	9118	3482	0.16665
6	ACCEL	ZERO	3000	4199	199	250	15705	8843	1741	0.07272
7	CLIMB	ZERO	4199	5500	250	250	10447	8573	3389	0.12454
8	CLIMB	ZERO	5500	7500	250	250	17450	8657	3199	0.11461
9	CLIMB	ZERO	7500	10000	250	250	24568	8771	2940	0.10176

SEG. NO.	TYPE	FLAP	THRUST TYPE	VALUE
1	TKOFF	20	MAX TKOFF	
2	ACCEL	20	MAX TKOFF	
3	CLIMB	20	MAX TKOFF	
4	ACCEL	INTR	MAX TKOFF	
5	CLIMB	ZERO	MAX CLIMB	
6	ACCEL	ZERO	MAX CLIMB	
7	CLIMB	ZERO	MAX CLIMB	
8	CLIMB	ZERO	MAX CLIMB	
9	CLIMB	ZERO	MAX CLIMB	

TAKEOFF PROFILE DATA (HEADWIND = 8 KT) 06-12-1991 13:18:48

AIRCRAFT ID NUMBER	AIRCRAFT AND ENGINE NAMES	AIRCRAFT CATEGORY
096	GIV/TAY 611	JGA

	DISTANCE FROM BRAKE RELEASE (FT)	HEIGHT (FT)	SPEED (KTAS)	THRUST (LB)
POINT 1	0	0	16	12942
POINT 2	4190	0	159	10812
POINT 3	6293	221	175	10605
POINT 4	12742	1500	178	10679
POINT 5	16804	1873	205	10328
POINT 6	17804	2040	205	9089
POINT 7	23564	3000	208	9146
POINT 8	39269	4199	266	8540
POINT 9	49716	5500	271	8606
POINT 10	67166	7500	280	8708
POINT 11	91734	10000	291	0

THRUST FOR LEVEL FLIGHT	GRADIENT AT TAKE-OFF POWER	TAKE-OFF THRUST	GRADIENT AT CLIMB POWER
3552	0.208153	10840	0.153618

CLIMB THRUST	GRADIENT AT FAR36 CUTBACK	THRUST FOR ENGINE OUT LEVEL FLIGHT	VZF (KCAS)
9641	0.092713	7104	199

NUMBER OF ENGINES	RATED THRUST LB	AIRCRAFT WEIGHT (LB)	STAGE NUMBER
2	13850	71700	1

APPROACH PROFILE DATA (HEADWIND = 8 KT) 02-15-1992 15:57:21

AIRCRAFT ID NUMBER	AIRCRAFT AND ENGINE NAMES	AIRCRAFT CATEGORY
096	GIV/TAY 611	JGA

	DISTANCE FROM RW THRESHOLD (FT)	HEIGHT (FT)	SPEED (KTAS)	THRUST (LB)	FLAPS
POINT 1	113533	6000	273	700	ZERO
POINT 2	56289	3000	166	1038	INTR
POINT 3	27668	1500	157	1666	D 20
POINT 4	18127	1000	149	2996	D 30
POINT 5	-954	0	147	2890	D 30
POINT 6	-1147	0	139	8310	
POINT 7	-2880	0	30	1385	

NUMBER OF ENGINES	RATED THRUST LB	AIRCRAFT WEIGHT (LB)	GLIDE SLOPE
2	13850	58500	3.00

TAKEOFF SEGMENTS DATA (HEADWIND = 8 KT) 06-04-1991 11:24:05

AIRCRAFT ID NUMBER	AIRCRAFT AND ENGINE NAMES	AIRCRAFT CATEGORY
097	A320-211/CFM56-5A-1	JCOM

AIRCRAFT WEIGHT	STAGE NUMBER	NUMBER OF ENGINES
126000	1	2

SEG. NO.	TYPE	FLAP	START ALT (FT)	END ALT (FT)	CALIBRATED START SPEED (KCAS)	CALIBRATED END SPEED (KCAS)	SEG. LNGTH (FT)	THRST (LB)	R/C (FPM)	GRAD
1	TKOFF	F2	0	0	16	147	3640	20634	0	0.00000
2	CLIMB	F2	0	1500	147	147	6785	20580	3334	0.22109
3	ACCEL	F2	1500	1657	147	157	1407	20418	1667	0.10632
4	ACCEL	INTR	1657	2156	157	182	5024	17625	1667	0.09483
5	ACCEL	ZERO	2156	2394	182	197	2695	17231	1667	0.08430
6	CLIMB	ZERO	2394	3000	197	197	3337	17066	3770	0.18158
7	ACCEL	ZERO	3000	3406	197	250	9150	16543	1000	0.04216
8	CLIMB	ZERO	3406	5500	250	250	14882	15974	3807	0.14072
9	CLIMB	ZERO	5500	7500	250	250	16174	15851	3451	0.12365
10	CLIMB	ZERO	7500	10000	250	250	23488	15719	3075	0.10644

SEG. NO.	TYPE	FLAP	THRUST TYPE	VALUE
1	TKOFF	F2	MAX TKOFF	
2	CLIMB	F2	MAX TKOFF	
3	ACCEL	F2	MAX TKOFF	
4	ACCEL	INTR	MAX CLIMB	
5	ACCEL	ZERO	MAX CLIMB	
6	CLIMB	ZERO	MAX CLIMB	
7	ACCEL	ZERO	MAX CLIMB	
8	CLIMB	ZERO	MAX CLIMB	
9	CLIMB	ZERO	MAX CLIMB	
10	CLIMB	ZERO	MAX CLIMB	

TAKEOFF PROFILE DATA (HEADWIND = 8 KT) 06-04-1991 11:24:15

AIRCRAFT ID NUMBER	AIRCRAFT AND ENGINE NAMES	AIRCRAFT CATEGORY
097	A320-211/CFM56-5A-1	JCOM

	DISTANCE FROM BRAKE RELEASE (FT)	HEIGHT (FT)	SPEED (KTAS)	THRUST (LB)
POINT 1	0	0	16	23403
POINT 2	3640	0	147	20634
POINT 3	10425	1500	151	20527
POINT 4	11831	1657	161	20310
POINT 5	12831	1756	166	17873
POINT 6	16855	2156	188	17378
POINT 7	19550	2394	204	17084
POINT 8	22887	3000	206	17047
POINT 9	32037	3406	263	16038
POINT 10	46920	5500	271	15911
POINT 11	63094	7500	280	15792
POINT 12	86582	10000	291	0

THRUST FOR LEVEL FLIGHT	GRADIENT AT TAKE-OFF POWER	TAKE-OFF THRUST	GRADIENT AT CLIMB POWER
6831	0.224533	20598	0.160266

CLIMB THRUST	GRADIENT AT FAR36 CUTBACK	THRUST FOR ENGINE OUT LEVEL FLIGHT	VZF (KCAS)
18001	0.101554	13662	197

NUMBER OF ENGINES	RATED THRUST LB	AIRCRAFT WEIGHT (LB)	STAGE NUMBER
2	25000	126000	1

TAKEOFF SEGMENTS DATA (HEADWIND = 8 KT) 06-04-1991 11:26:30

AIRCRAFT ID NUMBER	AIRCRAFT AND ENGINE NAMES	AIRCRAFT CATEGORY
097	A320-211/CFM56-5A-1	JCOM

AIRCRAFT WEIGHT	STAGE NUMBER	NUMBER OF ENGINES
137000	2	2

SEG. NO.	TYPE	FLAP	START ALT (FT)	END ALT (FT)	CALIBRATED START SPEED (KCAS)	CALIBRATED END SPEED (KCAS)	SEG. LNGTH (FT)	THRST (LB)	R/C (FPM)	GRAD
1	TKOFF	F2	0	0	16	154	4331	20501	0	0.00000
2	CLIMB	F2	0	1500	154	154	7828	20447	3013	0.19161
3	ACCEL	F2	1500	1675	154	164	1815	20278	1507	0.09194
4	ACCEL	INTR	1675	2198	164	189	6071	17493	1507	0.08220
5	ACCEL	ZERO	2198	2443	189	204	3177	17098	1507	0.07338
6	CLIMB	ZERO	2443	3000	204	204	3735	16934	3207	0.14910
7	ACCEL	ZERO	3000	3419	204	250	9593	16477	1000	0.04151
8	CLIMB	ZERO	3419	5500	250	250	16810	15974	3350	0.12381
9	CLIMB	ZERO	5500	7500	250	250	18474	15851	3021	0.10826
10	CLIMB	ZERO	7500	10000	250	250	27028	15719	2673	0.09250

SEG. NO.	TYPE	FLAP	THRUST TYPE	VALUE
1	TKOFF	F2	MAX TKOFF	
2	CLIMB	F2	MAX TKOFF	
3	ACCEL	F2	MAX TKOFF	
4	ACCEL	INTR	MAX CLIMB	
5	ACCEL	ZERO	MAX CLIMB	
6	CLIMB	ZERO	MAX CLIMB	
7	ACCEL	ZERO	MAX CLIMB	
8	CLIMB	ZERO	MAX CLIMB	
9	CLIMB	ZERO	MAX CLIMB	
10	CLIMB	ZERO	MAX CLIMB	

TAKEOFF PROFILE DATA (HEADWIND = 8 KT) 06-04-1991 11:26:37

AIRCRAFT ID NUMBER	AIRCRAFT AND ENGINE NAMES	AIRCRAFT CATEGORY
097	A320-211/CFM56-5A-1	JCOM

	DISTANCE FROM BRAKE RELEASE (FT)	HEIGHT (FT)	SPEED (KTAS)	THRUST (LB)
POINT 1	0	0	16	23403
POINT 2	4331	0	154	20501
POINT 3	12160	1500	157	20394
POINT 4	13974	1675	168	20161
POINT 5	14974	1761	173	17742
POINT 6	20045	2198	195	17245
POINT 7	23222	2443	211	16951
POINT 8	26957	3000	213	16917
POINT 9	36550	3419	263	16037
POINT 10	53359	5500	271	15911
POINT 11	71834	7500	280	15792
POINT 12	98861	10000	291	0

THRUST FOR LEVEL FLIGHT	GRADIENT AT TAKE-OFF POWER	TAKE-OFF THRUST	GRADIENT AT CLIMB POWER
7427	0.194705	20465	0.136780

CLIMB THRUST	GRADIENT AT FAR36 CUTBACK	THRUST FOR ENGINE OUT LEVEL FLIGHT	VZF (KCAS)
17884	0.101554	14855	204

NUMBER OF ENGINES	RATED THRUST LB	AIRCRAFT WEIGHT (LB)	STAGE NUMBER
2	25000	137000	2

TAKEOFF SEGMENTS DATA (HEADWIND = 8 KT) 06-04-1991 11:29:13

AIRCRAFT ID NUMBER	AIRCRAFT AND ENGINE NAMES	AIRCRAFT CATEGORY
097	A320-211/CFM56-5A-1	JCOM

AIRCRAFT WEIGHT	STAGE NUMBER	NUMBER OF ENGINES
149000	3	2

SEG. NO.	TYPE	FLAP	START ALT (FT)	END ALT (FT)	CALIBRATED START SPEED (KCAS)	CALIBRATED END SPEED (KCAS)	SEG. LNGTH (FT)	THRST (LB)	R/C (FPM)	GRAD
1	TKOFF	F2	0	0	16	160	5158	20362	0	0.00000
2	CLIMB	F2	0	1500	160	160	9095	20309	2704	0.16492
3	ACCEL	F2	1500	1673	160	170	2075	20145	1352	0.07926
4	ACCEL	INTR	1673	2224	170	195	7367	17381	1352	0.07125
5	ACCEL	ZERO	2224	2474	195	210	3737	16985	1352	0.06381
6	CLIMB	ZERO	2474	3000	210	210	4044	16822	2879	0.13002
7	ACCEL	ZERO	3000	3441	210	250	10231	16421	1000	0.04096
8	CLIMB	ZERO	3441	5500	250	250	19019	15973	2930	0.10827
9	CLIMB	ZERO	5500	7500	250	250	21249	15851	2627	0.09412
10	CLIMB	ZERO	7500	10000	250	250	31373	15719	2302	0.07969

SEG. NO.	TYPE	FLAP	THRUST TYPE	VALUE
1	TKOFF	F2	MAX TKOFF	
2	CLIMB	F2	MAX TKOFF	
3	ACCEL	F2	MAX TKOFF	
4	ACCEL	INTR	MAX CLIMB	
5	ACCEL	ZERO	MAX CLIMB	
6	CLIMB	ZERO	MAX CLIMB	
7	ACCEL	ZERO	MAX CLIMB	
8	CLIMB	ZERO	MAX CLIMB	
9	CLIMB	ZERO	MAX CLIMB	
10	CLIMB	ZERO	MAX CLIMB	

TAKEOFF PROFILE DATA (HEADWIND = 8 KT) 06-04-1991 11:29:19

AIRCRAFT ID NUMBER	AIRCRAFT AND ENGINE NAMES	AIRCRAFT CATEGORY
097	A320-211/CFM56-5A-1	JCOM

	DISTANCE FROM BRAKE RELEASE (FT)	HEIGHT (FT)	SPEED (KTAS)	THRUST (LB)
POINT 1	0	0	16	23403
POINT 2	5158	0	160	20362
POINT 3	14253	1500	164	20255
POINT 4	16329	1673	174	20035
POINT 5	17329	1747	178	17631
POINT 6	23696	2224	201	17132
POINT 7	27432	2474	218	16838
POINT 8	31477	3000	220	16806
POINT 9	41707	3441	263	16036
POINT 10	60726	5500	271	15911
POINT 11	81975	7500	280	15792
POINT 12	113348	10000	291	0

THRUST FOR LEVEL FLIGHT	GRADIENT AT TAKE-OFF POWER	TAKE-OFF THRUST	GRADIENT AT CLIMB POWER
8078	0.167709	20326	0.115375

CLIMB THRUST	GRADIENT AT FAR36 CUTBACK	THRUST FOR ENGINE OUT LEVEL FLIGHT	VZF (KCAS)
17762	0.101554	16156	210

NUMBER OF ENGINES	RATED THRUST LB	AIRCRAFT WEIGHT (LB)	STAGE NUMBER
2	25000	149000	3

TAKEOFF SEGMENTS DATA (HEADWIND = 8 KT) 06-04-1991 11:31:43

AIRCRAFT ID NUMBER	AIRCRAFT AND ENGINE NAMES	AIRCRAFT CATEGORY
097	A320-211/CFM56-5A-1	JCOM

AIRCRAFT WEIGHT	STAGE NUMBER	NUMBER OF ENGINES
160000	4	2

SEG. NO.	TYPE	FLAP	START ALT (FT)	END ALT (FT)	CALIBRATED START SPEED (KCAS)	CALIBRATED END SPEED (KCAS)	SEG. LNGTH (FT)	THRST (LB)	R/C (FPM)	GRAD
1	TKOFF	F2	0	0	16	166	5984	20240	0	0.00000
2	CLIMB	F2	0	1500	166	166	10397	20186	2452	0.14428
3	ACCEL	F2	1500	1684	166	176	2523	20020	1226	0.06933
4	ACCEL	INTR	1684	2263	176	201	8820	17268	1226	0.06249
5	ACCEL	ZERO	2263	2518	201	216	4332	16871	1226	0.05614
6	CLIMB	ZERO	2518	3000	216	216	4190	16709	2620	0.11498
7	ACCEL	ZERO	3000	3448	216	250	10536	16365	1000	0.04043
8	CLIMB	ZERO	3448	5500	250	250	21335	15973	2603	0.09618
9	CLIMB	ZERO	5500	7500	250	250	24077	15851	2318	0.08307
10	CLIMB	ZERO	7500	10000	250	250	35890	15719	2013	0.06966

SEG. NO.	TYPE	FLAP	THRUST TYPE	VALUE
1	TKOFF	F2	MAX TKOFF	
2	CLIMB	F2	MAX TKOFF	
3	ACCEL	F2	MAX TKOFF	
4	ACCEL	INTR	MAX CLIMB	
5	ACCEL	ZERO	MAX CLIMB	
6	CLIMB	ZERO	MAX CLIMB	
7	ACCEL	ZERO	MAX CLIMB	
8	CLIMB	ZERO	MAX CLIMB	
9	CLIMB	ZERO	MAX CLIMB	
10	CLIMB	ZERO	MAX CLIMB	

TAKEOFF PROFILE DATA (HEADWIND = 8 KT) 06-04-1991 11:31:54

AIRCRAFT ID NUMBER	AIRCRAFT AND ENGINE NAMES	AIRCRAFT CATEGORY
097	A320-211/CFM56-5A-1	JCOM

	DISTANCE FROM BRAKE RELEASE (FT)	HEIGHT (FT)	SPEED (KTAS)	THRUST (LB)
POINT 1	0	0	16	23403
POINT 2	5984	0	166	20240
POINT 3	16381	1500	170	20133
POINT 4	18903	1684	180	19907
POINT 5	19903	1749	184	17518
POINT 6	27723	2263	208	17018
POINT 7	32055	2518	224	16724
POINT 8	36245	3000	226	16694
POINT 9	46781	3448	263	16036
POINT 10	68116	5500	271	15911
POINT 11	92192	7500	280	15792
POINT 12	128082	10000	291	0

THRUST FOR LEVEL FLIGHT	GRADIENT AT TAKE-OFF POWER	TAKE-OFF THRUST	GRADIENT AT CLIMB POWER
8674	0.146831	20204	0.098735

CLIMB THRUST	GRADIENT AT FAR36 CUTBACK	THRUST FOR ENGINE OUT LEVEL FLIGHT	VZF (KCAS)
17654	0.101554	17349	216

NUMBER OF ENGINES	RATED THRUST LB	AIRCRAFT WEIGHT (LB)	STAGE NUMBER
2	25000	160000	4

APPROACH PROFILE DATA (HEADWIND = 8 KT) 02-15-1992 15:39:44

AIRCRAFT ID NUMBER	AIRCRAFT AND ENGINE NAMES	AIRCRAFT CATEGORY
097	A320-211/CFM56-5A-1	JCOM

	DISTANCE FROM RW THRESHOLD (FT)	HEIGHT (FT)	SPEED (KTAS)	THRUST (LB)	FLAPS
POINT 1	113533	6000	273	1425	ZERO
POINT 2	56289	3000	175	2643	INTR
POINT 3	27668	1500	158	4293	D 20
POINT 4	18127	1000	149	5579	D 35
POINT 5	-954	0	147	5381	D 35
POINT 6	-1014	0	140	15000	
POINT 7	-1557	0	30	2500	

NUMBER OF ENGINES	RATED THRUST LB	AIRCRAFT WEIGHT (LB)	GLIDE SLOPE
2	25000	128000	3.00

TAKEOFF SEGMENTS DATA (HEADWIND = 8 KT) 07-03-1991 09:32:14

AIRCRAFT ID NUMBER	AIRCRAFT AND ENGINE NAMES	AIRCRAFT CATEGORY
098	FALCON 20/CF700-2D-2	JGA

AIRCRAFT WEIGHT	STAGE NUMBER	NUMBER OF ENGINES
28660	1	2

SEG. NO.	TYPE	FLAP	START ALT (FT)	END ALT (FT)	CALIBRATED START SPEED (KCAS)	CALIBRATED END SPEED (KCAS)	SEG. LNGTH (FT)	THRST (LB)	R/C (FPM)	GRAD
1	TKOFF	10	0	0	16	137	4136	3545	0	0.00000
2	ACCEL	10	0	382	137	152	3833	3529	1388	0.09508
3	CLIMB	10	382	1500	152	152	7812	3544	2234	0.14314
4	ACCEL	10	1500	1762	152	162	2921	3563	1388	0.08554
5	ACCEL	INTR	1762	1929	162	177	2687	3521	1041	0.05912
6	CLIMB	ZERO	1929	3000	177	177	6954	3460	2863	0.15402
7	ACCEL	ZERO	3000	4492	177	250	22660	3313	1432	0.06265
8	CLIMB	ZERO	4492	5500	250	250	9164	3188	3002	0.11005
9	CLIMB	ZERO	5500	7500	250	250	19918	3192	2802	0.10041
10	CLIMB	ZERO	7500	10000	250	250	27463	3285	2630	0.09103

SEG. NO.	TYPE	FLAP	THRUST TYPE	VALUE
1	TKOFF	10	MAX TKOFF	
2	ACCEL	10	MAX TKOFF	
3	CLIMB	10	MAX TKOFF	
4	ACCEL	10	MAX TKOFF	
5	ACCEL	INTR	MAX CLIMB	
6	CLIMB	ZERO	MAX CLIMB	
7	ACCEL	ZERO	MAX CLIMB	
8	CLIMB	ZERO	MAX CLIMB	
9	CLIMB	ZERO	MAX CLIMB	
10	CLIMB	ZERO	MAX CLIMB	

TAKEOFF PROFILE DATA (HEADWIND = 8 KT) 07-03-1991 09:32:18

AIRCRAFT ID NUMBER	AIRCRAFT AND ENGINE NAMES	AIRCRAFT CATEGORY
098	FALCON 20/CF700-2D-2	JGA

	DISTANCE FROM BRAKE RELEASE (FT)	HEIGHT (FT)	SPEED (KTAS)	THRUST (LB)
POINT 1	0	0	16	3962
POINT 2	4136	0	137	3545
POINT 3	7969	382	153	3514
POINT 4	15780	1500	155	3573
POINT 5	18701	1762	166	3552
POINT 6	19701	1824	172	3546
POINT 7	21388	1929	182	3497
POINT 8	28342	3000	185	3428
POINT 9	51002	4492	267	3197
POINT 10	60166	5500	271	3185
POINT 11	80084	7500	280	3221
POINT 12	107547	10000	291	0

THRUST FOR LEVEL FLIGHT	GRADIENT AT TAKE-OFF POWER	TAKE-OFF THRUST	GRADIENT AT CLIMB POWER
1473	0.149199	3573	0.129976

CLIMB THRUST	GRADIENT AT FAR36 CUTBACK	THRUST FOR ENGINE OUT LEVEL FLIGHT	VZF (KCAS)
3553	0.096220	2946	177

NUMBER OF ENGINES	RATED THRUST LB	AIRCRAFT WEIGHT (LB)	STAGE NUMBER
2	4500	28660	1

APPROACH PROFILE DATA (HEADWIND = 8 KT) 02-15-1992 15:59:13

AIRCRAFT ID NUMBER	AIRCRAFT AND ENGINE NAMES	AIRCRAFT CATEGORY
098	FALCON 20/CF700-2D-2	JGA

	DISTANCE FROM RW THRESHOLD (FT)	HEIGHT (FT)	SPEED (KTAS)	THRUST (LB)	FLAPS
POINT 1	113533	6000	273	294	ZERO
POINT 2	56289	3000	149	460	INTR
POINT 3	27668	1500	129	861	D 25
POINT 4	18127	1000	126	1089	D 40
POINT 5	-954	0	124	1050	D 40
POINT 6	-1083	0	118	2700	
POINT 7	-2241	0	30	450	

NUMBER OF ENGINES	RATED THRUST LB	AIRCRAFT WEIGHT (LB)	GLIDE SLOPE
2	4500	24560	3.00

TAKEOFF SEGMENTS DATA (HEADWIND = 8 KT) 09-19-1991 14:50:11

AIRCRAFT ID NUMBER	AIRCRAFT AND ENGINE NAMES	AIRCRAFT CATEGORY
099	DASH 8-300/PW123	JCOM

AIRCRAFT WEIGHT	STAGE NUMBER	NUMBER OF ENGINES	100% THRUST
38700	1	2	4918

SEG. NO.	TYPE	FLAP	START ALT (FT)	END ALT (FT)	CALIBRATED START SPEED (KCAS)	CALIBRATED END SPEED (KCAS)	SEG. LNGTH (FT)	THRST %	R/C (FPM)	GRAD
1	TKOFF	10	0	0	16	112	2427	95.1	0	0.00000
2	CLIMB	10	0	1000	112	112	5965	96.2	1920	0.16765
3	ACCEL	10	1000	1234	112	122	2096	95.0	1280	0.10676
4	ACCEL	5	1234	1489	122	137	3370	80.4	960	0.07193
5	CLIMB	ZERO	1489	3000	137	137	12814	78.7	1691	0.11794
6	ACCEL	ZERO	3000	4136	137	179	18993	71.7	960	0.05693
7	CLIMB	ZERO	4136	5500	179	179	19445	64.6	1366	0.07012
8	CLIMB	ZERO	5500	7500	179	179	29496	67.7	1355	0.06781
9	CLIMB	ZERO	7500	10000	179	179	38935	71.8	1328	0.06421

SEG. NO.	TYPE	FLAP	THRUST TYPE	VALUE
1	TKOFF	10	MAX TKOFF	
2	CLIMB	10	MAX TKOFF	
3	ACCEL	10	MAX TKOFF	
4	ACCEL	5	MAX CLIMB	
5	CLIMB	ZERO	MAX CLIMB	
6	ACCEL	ZERO	MAX CLIMB	
7	CLIMB	ZERO	MAX CLIMB	
8	CLIMB	ZERO	MAX CLIMB	
9	CLIMB	ZERO	MAX CLIMB	

TAKEOFF PROFILE DATA (HEADWIND = 8 KT) 09-19-1991 14:50:18

AIRCRAFT ID NUMBER	AIRCRAFT AND ENGINE NAMES	AIRCRAFT CATEGORY
099	DASH 8-300/PW123	JCOM

	DISTANCE FROM BRAKE RELEASE (FT)	HEIGHT (FT)	SPEED (KTAS)	THRUST %
POINT 1	0	0	16	142.95
POINT 2	2427	0	112	95.13
POINT 3	8392	1000	114	97.17
POINT 4	10489	1234	124	92.80
POINT 5	11489	1310	129	83.52
POINT 6	13858	1489	140	77.28
POINT 7	26673	3000	143	80.05
POINT 8	45666	4136	190	63.36
POINT 9	65111	5500	194	65.86
POINT 10	94607	7500	200	69.53
POINT 11	133543	10000	208	0

THRUST FOR LEVEL FLIGHT	GRADIENT AT TAKE-OFF POWER	TAKE-OFF THRUST	GRADIENT AT CLIMB POWER
31.24 %	0.167646	96.15 %	0.135586

CLIMB THRUST	GRADIENT AT FAR36 CUTBACK	THRUST FOR ENGINE OUT LEVEL FLIGHT	VZF (KCAS)
90.21 %	0.074193	62.48 %	137

NUMBER OF ENGINES	RATED THRUST LB	100% THRUST LB	AIRCRAFT WEIGHT (LB)	STAGE NUMBER
2	2142	4918	38700	1

APPROACH PROFILE DATA (HEADWIND = 8 KT) 02-15-1992 15:44:33

AIRCRAFT ID NUMBER	AIRCRAFT AND ENGINE NAMES	AIRCRAFT CATEGORY
099	DASH 8-300/PW123	JCOM

	DISTANCE FROM RW THRESHOLD (FT)	HEIGHT (FT)	SPEED (KTAS)	THRUST %	FLAPS
POINT 1	113533	6000	196	8.39	ZERO
POINT 2	56289	3000	134	10.93	10
POINT 3	27668	1500	119	17.91	D 15
POINT 4	18127	1000	110	20.99	D 35
POINT 5	-954	0	108	20.24	D 35
POINT 6	-1174	0	102	26.13	
POINT 7	-3150	0	30	4.36	

NUMBER OF ENGINES	RATED THRUST LB	AIRCRAFT WEIGHT (LB)	GLIDE SLOPE	100% THRUST LB
2	2142	37800	3.00	4918